

Team CAIEWS

Team C4IEWS and Industry... Adopting, Adapting and Developing Technology for the Warfighter Today and Tomorrow

May 6-7, 2002

Advance

Planning

Briefing for

Industry

Report Documentation Page					
Report Date 06MAY2002	Report Type N/A	Dates Covered (from to) 06MAY2002 - 07MAY2002			
Title and Subtitle		Contract Number			
Team C4IEWS: Advance Planning Briefing for Industry May 6-7, 2002. Team C4IEWS and IndustryAdopting, Adapting			Grant Number		
and Developing Technology for the Warfighter Today and Tomorrow		Program Element Number			
Author(s)			Project Number		
			Task Number		
			Work Unit Number		
Performing Organization Name(s) and Address(es) Department of the Army HQ US Army Communications-Electronics Command and Fort Monmouth Fort Monmouth, NJ 07703-5000			Performing Organization Report Number		
Sponsoring/Monitoring Agency Name(s) and Address(es) Department of the Army HQ U.S. Army communications-Electronics Command and Fort Monmouth Fort Monmouth, NJ 07703-5000			Sponsor/Monitor's Acronym(s)		
			Sponsor/Monitor's Report Number(s)		
Distribution/Availability S Approved for public release			-1		
Supplementary Notes The original document cont	ains color images.				
Abstract					
Subject Terms					
Report Classification unclassified			Classification of this page unclassified		
Classification of Abstract unclassified			Limitation of Abstract UU		
Number of Pages 352					

DEPARTMENT OF THE ARMY



HEADQUARTERS, U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND

AND FORT MONMOUTH

FORT MONMOUTH, NEW JERSEY 07703-5000
REPLY TO
ATTENTION OF



Office of the Commanding General

Ladies and Gentlemen:

On behalf of the Army Command, Control, Communications, Computers, Intelligence, Electronics Warfare and Sensors (C4IEWS) Team, it is my pleasure to welcome you to the 2002 Advance Planning Briefing for Industry (APBI). The theme of this year's conference is "Team C4IEWS and Industry ... Adopting, Adapting and Developing Technology for the Warfighter Today and Tomorrow."

The APBI Program continues to be one of our most successful ways of strengthening the government's partnership with industry and ensuring the most sophisticated, technologically superior equipment is available for our soldiers. The exchange of information at these forums is key to enabling our military to maintain and enhance America's warfighting edge.

A hard copy of the proceedings and a compact disk that contains information being presented at the APBI is being provided to you. The presentations include our Army requirements, sustainment efforts and corresponding contract opportunities available to industry within the next five years.

I thank you for your participation in the APBI and hope you pursue future business opportunities with Team C4IEWS.

Sincerely,

William H. Russ

Major General, U.S. Army

Commanding



NOTICE



This publication contains the briefings presented during this Advance Planning Briefing for Industry (APBI). Following the APBI, you may obtain a Proceedings Book for a minimal fee by contacting the Defense Technical Information Center (DTIC). The telephone number is: (800) 225-3842.

We hope that the above publication proves beneficial to your long-range planning efforts. If you have any additional questions and/or suggestions, please contact Denise Ellison, email:

Denise. Ellison@mail1.monmouth.army.mil, (732) 532-8674.





DISCLAIMER

The use of trade names in this report does not constitute official endorsement of any products. This report may not be cited for purpose of advertisement.

The information provided is accurate as of the time of publication, and may be subject to change.





THE OVERALL

CLASSIFICATION OF

THIS PUBLICATION IS

UNCLASSIFIED



CONTENTS



Page

WELCOMING REMARKS	2
ENTERPRISE SYSTEMS ENGINEERING	8
ACQUISITION CENTER OVERVIEW	24
LOGISTICS AND READINESS CENTER CONTRACT OPPORTUNITIES	103
RESEARCH, DEVELOPMENT AND ENGINEERING CENTER CONTRACT OPPORTUNITIES	140
TOBYHANNA ARMY DEPOT MISSION AND CAPABILITIES/PARTNERING WITH INDUSTRY	209
GUEST SPEAKER	234
PEO EIS CONTRACT OPPORTUNITIES	235
PEO C3T OVERVIEW	249
GROUND COMBAT C2 FAMILY OF SYSTEMS/ABCS SEI	261
COMMON HARDWARE SYSTEMS – 3	287
PEO IEW&S OVERVIEW	297
PM SIGNALS WARFARE CONTRACT OPPORTUNITIES	311
PM NV/RSTA CONTRACT OPPORTUNITIES	326
VIRTUAL ACQUISITION PLANNING FOR INDUSTRY	349

CECOM Bottom Line: THE WARFIGHTER



Major General William H. Russ Commanding General U.S. Army Communications-Electronics Command and Fort Monmouth, New Jersey

Major General William H. Russ assumed his current duties as Commanding General of the United States Army Communications- Electronics Command and Fort Monmouth, New Jersey on July 20, 2001. Previously he was the Commanding General of the United States Army Signal Command of Fort Huachuca, Arizona and the Director for Programs and Architecture, Office of the Director of Information Systems for Command, Control, Communications and Computers in Washington, D.C.

Major General Russ is a graduate of Florida A & M University with a Bachelor of Science degree in Electronics. He holds a Master of Science degree in Public Administration from Shippensburg University in Pennsylvania. His military education includes the Signal Basic and Advanced Courses, the Armed Forces Staff College and the United States Army War College.

After completion of Airborne, Ranger School and the Signal Officer Basic Course, Major General Russ served as Communications Officer for the 1st Battalion, 32nd Armor, 3rd Armored Division, United States Army Europe and Seventh Army. After serving four years in Germany, Major General Russ attended the Signal Officer Advanced Course, Fort Gordon, Georgia, and upon completion, was assigned as Assistant S-3, 67th Signal Battalion (Combat), Fort Gordon. He later served as Commander, Communications and Electronics, United States Army Joint Support Group - Joint Support Area, United States Forces, Korea; Instructor/Branch Chief, Officer Advanced Division, Officer Training Directorate, United States Army Signal Center and School, Fort Gordon; Personnel Assignments Officer, Signal Branch, Total Army Personnel Center, Alexandria, Virginia; Associate Director (Information Mission Area Steering Group), Executive Officer for the Deputy Chief of Staff for Information Management; Commander, 43rd Signal Battalion, 5th Signal Command, United States Army Europe and Seventh Army, Germany; Staff Officer, Office of the Director for Information Systems, Command, Control, Communications and Computers, United States Army, Washington, D.C.; Commander, 1st Signal Brigade, United States Forces, Korea; Executive Assistant, J-6, Joint Staff, Washington, D.C.; Secretariat, Military Communications-Electronics Board, Joint Staff, Washington, D.C.; and Deputy Director, Chief Information Office, Forces Command, Fort McPherson, Georgia.

His military awards and decorations include: Defense Superior Service Medal, Legion of Merit, Meritorious Service Medal (with four Oak Leaf Clusters), Army Commendation Medal (with Oak Leaf Cluster), Parachutist Badge and Ranger Tab. 7 of 362







СЗТ

LOG SEC

INDUSTRY

Virtual Acquisition Planning for Industry (VAPI)

Anna-Marie Van Brunt Senior Logistician PEO IEW&S (732) 427-6199 DSN 987-6199

vanbrunt@iews.monmouth.army.mil







LOG SEC



The Knowledge Pyramid

UNDERSTANDING Intelligently comprehending and clearly interpreting through knowledge gained.

Knowledge

Being cognizant and familiar with a body of data and information.

Information

Accumulation and acquaintance with collected data.

Data

Facts, Reality, Truth

Knowledge is Power for Industry and Most Effective that Knowledge is Immediately Accessible!









:3T

LOG SEC

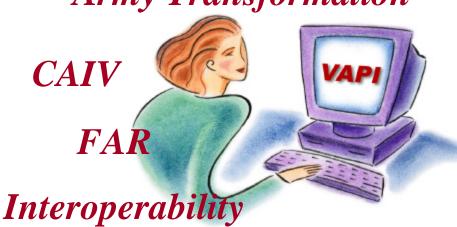
NDUSTRY

What is VAPI?

- · A Powerful Knowledge Based Web Site Tool
- Functioning as a <u>Central Repository</u> of Official Data, Information and Knowledge.
- An <u>Enabler</u> for Industry to Enhance/Augment their Understanding of Gov't System Acquisition and Logistics
- A <u>Timely Source</u> of Tailored and Relevant Information
- Provides <u>Accessibility</u> to C4IEWS Future Business Opportunities

Affordability
DoD 5000
Unit Set Fielding

Army Transformation











IEW&

C3T

OG SEC

INDUSTRY

What Created the Need for VAPI?

- Continuous Systems, Acquisition & Logistics Policy & Directive Releases and Changes
- Rate of Technology Change
- Increasing Total Cost of Ownership
- Need for Awareness of Senior Leadership Focus Areas
- Feedback from Industry
- Tailored Site

VAPI is a Dynamic Tool Housing Essential Official Information Available to Industry to Enhance their Understanding of Gov't Ramts







LOG SEC



What Makes VAPI Unique?





Organized to Enable Quick and Easy Access



A Source of Only "Officially Sanctioned" Information





Managed Information "Refreshment"











C3T

LOG SEC

VDUSTRY

Some Specific Characteristics of VAPI

- Home Page with Messages from VAPI's Sponsors – PEO IEWS & PEO C3T
- Broad Information Access Yet Focused to C4IEWS Systems
- Information Accessible Via
 - Functional Areas
 - Life Cycle Phases
 - · Alphabetical Index
 - Search Box
- Library of Policy, Regs, Directives, Law Pertinent to Systems Acquisition

- Reference Material Access
 - -Master Needs List
 - -Project Book
 - -Product Support Guide
 - -Other Official Documents
- Access to C4IEWS Interactive Business Opportunity Page (IBOP)
- News/Events
- Public URL Site



virtual acquisition planning for industry









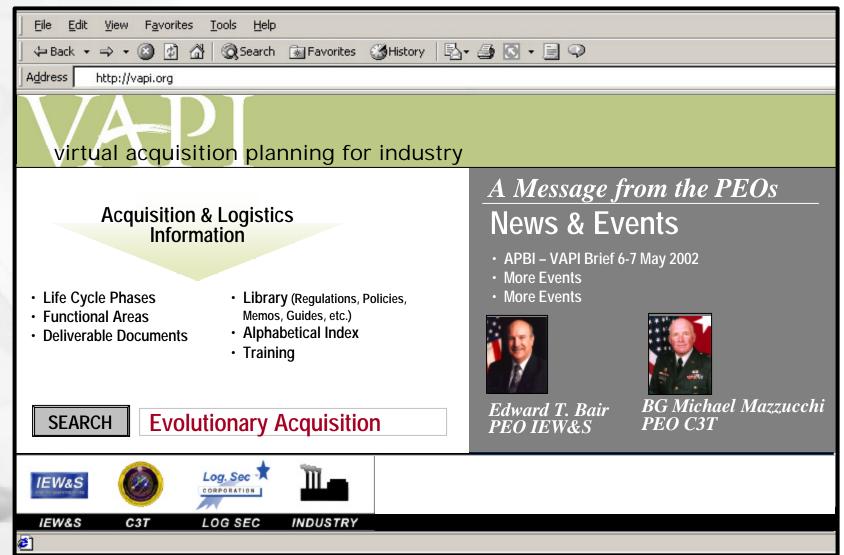
IEW&S

C3T

LOG SEC

INDUSTRY

Demo



virtual acquisition planning for industry









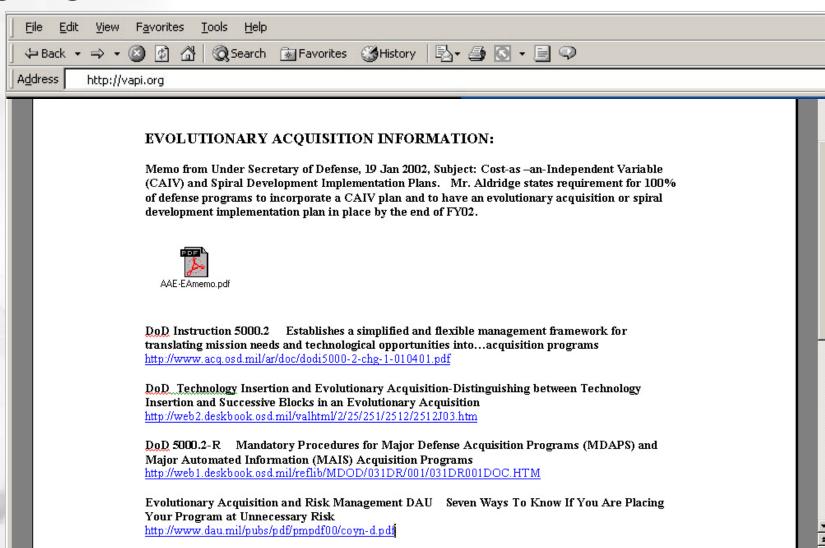
IEW&S

C3T

LOG SEC

INDUSTRY

Demo



virtual acquisition planning for industry









IEW&S

C3T

LOG SEC

INDUSTRY



THE UNDER SECRETARY OF DEFENSE

3010 DEFENSE PENTAGON WASHINGTON, DC 20301-3010

1 9 JAN 2002

MEMORANDUM FOR SECRETARY OF THE AIR FORCE ATTN: ACQUISITION EXECUTIVE

SUBJECT: Cost-as-an-Independent Variable (CAIV) and Spiral Development Implementation Plans

As you know, I have established five goals for acquisition, technology and logistics to move us toward excellence. In order to guide and measure our progress toward accomplishing these goals, I have established a set of metrics, some of which I plan to report on to the Secretary of Defense.

Under my first goal, "Achieve credibility and effectiveness in the acquisition and logistics support process," I have approved a metric to require, by the end of FY02, 100% of defense programs to incorporate a cost-as-an-independent variable (CAIV) plan and to have an evolutionary acquisition or spiral development implementation plan in place. The two plans will be a discrete part of each ACAT I acquisition strategy and will be executed throughout the acquisition cycle and updated as necessary. Although I have asked for mandatory plans for evolutionary acquisition, I realize that there will be rare cases in which evolutionary acquisition is not the best acquisition strategy. In those cases, the plan should demonstrate why evolutionary acquisition is not appropriate and what alternative steps are being taken to reduce cycle time.

The Reduction in Total Ownership Cost (RTOC) working group, led by Dr. Spiros Pallas (PD, S&TS), will develop DoD templates as guidelines for the two plans by the end of March 2002. Use of these templates will be optional. They are intended as general guidelines to assist the process, but not to constrain it. Program Managers should immediately begin work on individual plans rather than wait for the optional templates. Please provide me with progress reports on March 1 and June 3, 2002, and submit the finished products to me by the end of September 2002.

We will adjust the DoD 5000 documents during the next update cycle to reflect this guidance. The DoD lead office is Strategic & Tactical Systems, with Dr. Pallas as POC. He can be reached on (703) 695-7417.

E. C. Aldridge









C3T

LOG SEC

INDUSTRY

Benefits of VAPI

- <u>Reduction</u> of Industry Research Time
- Provides Continuously <u>Refreshed Source</u> of Official Information
- Proliferation of Current Relevant Info will Enhance Understanding
- One Site Hosting Official Info & Tailored to PEO IEWS & C3T System Acquisition Requirements
- Although Primarily Focused Site for Industry, will be Available for <u>Access by Gov't</u> as well

Benefits of VAPI Create a "Win-Win" for Both Industry and Gov't

C3

Steps to Activation.....

Site Activation 30 July 02

Prototype Test 30 June 02

Contracted Log. Sec to Implement

PEO IEW&S & PEO C3T Partner

Concept Developed by Log. Sec

Recognized Industry Need

If You Build it and They Will Come!

OG SEC

VDUSTRY

Future Vision for VAPI

We Will Build Upon Our Success -

- Expand Capabilities
- Links to Professional Organization
- On Line Industry Feedback
- · Ft. Monmouth Public Releases
- · "How To" Process Instructions
- Adoption Army Wide



LOG SEC

A VAPI Survey Will be Available at the Following Temporary Web Site:

http://peoiewswebinfo.monmouth.army.mil





Tobyhanna Army Depot Mission and Capabilities Partnering with Industry

Presented by:

Mr. Ronald Cappellini
Deputy Director
Production Engineering
TYAD
570.895.7177
ronald.cappellini@tobyhanna.army.mil





Outline



- Teaming with Industry
- Missions
- Capabilities
 - Engineering
 - Overhaul / Repair
 - System Integration
 - Force Projection
- Summary





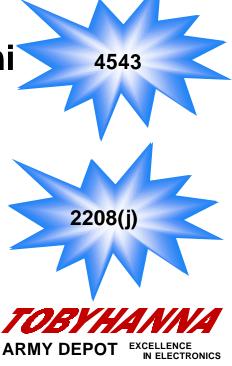
Teaming with Industry



 TYAD actively partners with industry to provide high quality, cost-effective, full service maintenance, fabrication and logistics support for advanced electronics systems.

- Partnerships and Direct Sales
 - Raytheon
 - Lockheed Martin
 - EPS
 - Titan
 - TRW
 - Areojet

- Canadian Marconi
- Lear Siegler
- ARINC
- CSC
- Signal Corp



2474



Teaming with Industry



- 10 US Code
 - 2474 Center for Industrial and Technical Excellence (CITE)
 - Secretary of Army designated TYAD as the CITE for communications-electronics, radar, avionics, and missile guidance and control
 - -4543 Direct Sales
 - 2208(j) Subcontracting





REPAIR/ OVERHAUL



SYSTEMS INTEGRATION

MISSIONS

HIGH TECH TRAINING

ENGINEERING

SERVICES



FORCE PROJECTION



FABRICATION/ MANUFACTURING





Engineering Services



- Maintenance engineering
- Testing methods development and analysis
- Support to PMs and industry developing new systems
- System design, manufacturing and integration
- Configuration management of technical data
- Technical publications (IETMs)

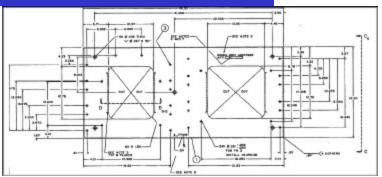


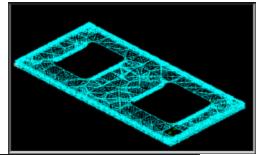


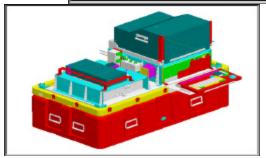
Computer Aided Engineering



- System software
 - PRO-ENGINEER 2000 i2
 - -CADDS 5
 - AUTOCAD 2000 i
 - COSMOS
- 3-D solid parametric modeling
- 3-D project visualization
- Numerical code (NC) generation
- Finite element analysis
- Mechanical & electrical drawings





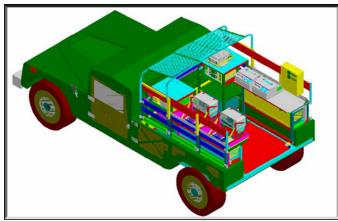


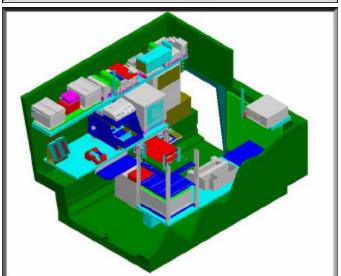




Computer Aided Engineering







Models To Reality











- Radio
- Communications
- SATCOM
- Electro-Optics Night Vision
- Missile (Guidance & Control Electronics)
 - Maverick
 - Sparrow
 - Sidewinder
- Ground Support Equipment













- Avionics
- Air Traffic Control
- Surveillance
- Command, Control and Computers
- Intelligence Electronic Warfare
- Range Threat











Systems Integration



- Prototype development
- Modification / downsizing
- Production
- Technical Data Package development
- System testing
- Fielding support





Systems Integration

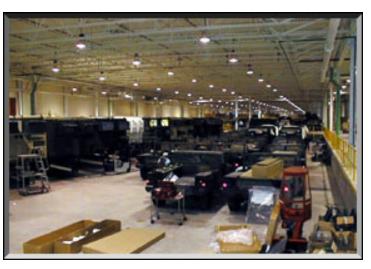


Presses





Milling



Tactical End Item Repair Facility

Turning





Waterjet Cutting





Systems Integration Firefinder



- Member of IPT with Raytheon and SAMD
 - Designed, manufactured, and installed upgrade kits
 - -AN/TPQ-36 Turkey, Egypt, and Portugal
 - -AN/TPQ-37 Singapore
- Teaming with Raytheon
 - Designed and manufactured AN/TPQ-47 Prime Power Group 2208(j)
 - -AN/TPQ-37 upgrade kits
 - -Direct sale (4543) Greece





Systems Integration Firefinder





AN/TPQ - 37 (V)6



AN/TPQ - 36 (V)8



AN/TPQ - 47 Prime Power Group





Systems Integration: Fielding Support Balkans Digitization Initiative (BDI)



- Collaborative Effort TYAD with
 - PEO, C3T; QUALCOMM; Kontron Mobile Computing; TRW
- Enhanced Information System (EIS)
 - Vehicle tracking via GPS
 - E-mail capability
 - Satellite based transmit / receive secure data
 - Video displayed maps / geographic locations
 - FBCB2 Situational awareness
- Future initiative "Blue Force Tracking"
 - Adds Raytheon and COMTECH Mobile Datacomm





Systems Integration: Fielding Support Balkans Digitization Initiative (BDI)







- Fielded
 - U.S. Army Europe (USAREUR) 654
 - Bosnia, Kosovo, Southern European Task Force SETAF)
 - Maintenance support





Systems Integration: Fielding Support Brigade Combat Team



- Light Armored Vehicle (LAV) experiment, Ft. Lewis, WA
 - Canadian LAV and German Fauch
 - CECOM RDEC / TYAD team
 - Design, manufacture, integration, and test
 - 33 total systems
 - All designs validated on CAE prior manufacturing
 - Successfully completed by Oct 00
 - Future opportunities 2nd and 6th Brigades





Systems Integration: Fielding Support Brigade Combat Team (BCT)







Force Projection



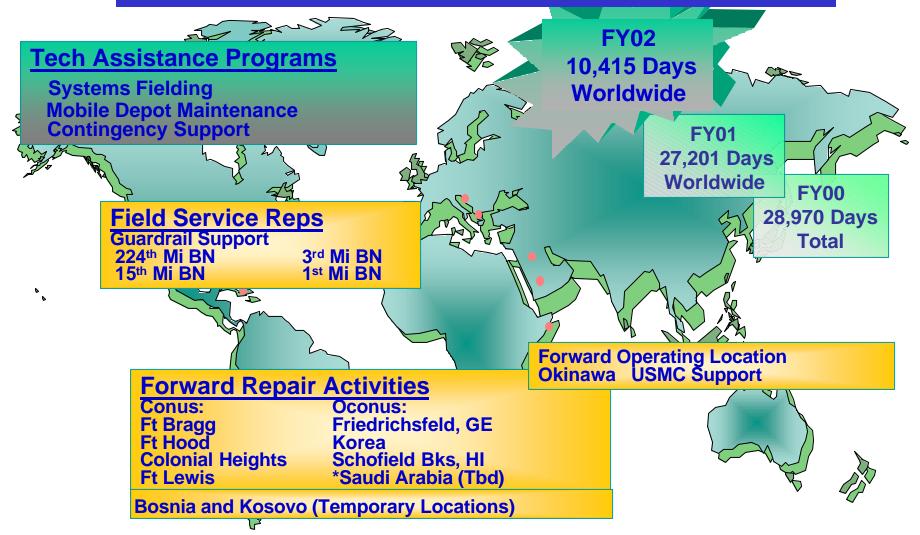






Force Projection







Summary

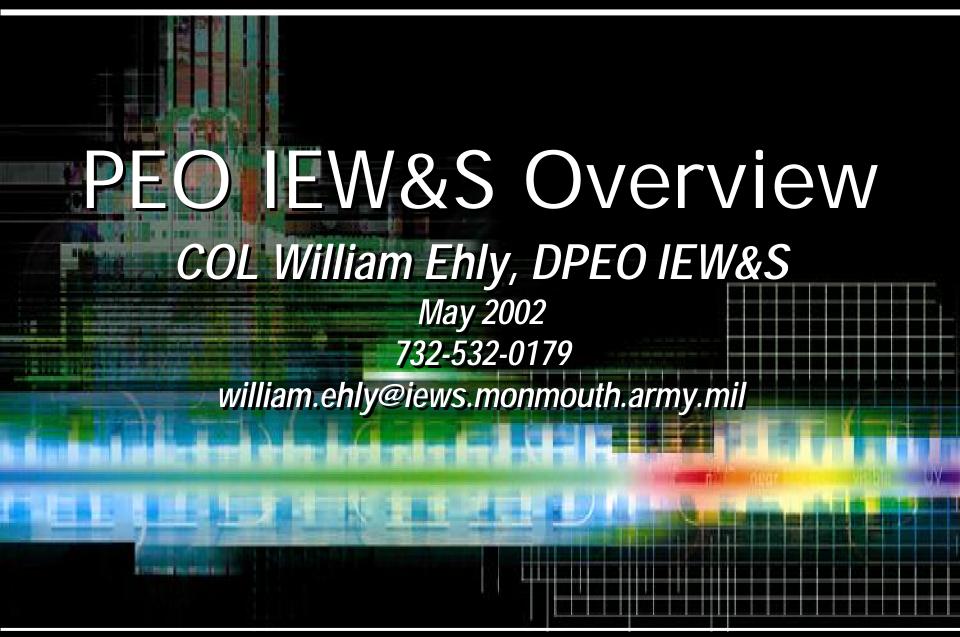


TYAD offers industry

- Repair and overhaul capability of all electronic equipment
- Engineering functions include design, manufacturing, repair, and overhaul
- Manufacturing and system integration functions
- Field installation teams
 - -Mobile Depot Maintenance
 - -Technical Assistance
 - -Installations
- Force Projection Presence







IEW&S Outline

- Vision
- Organization
- Transformation
- · Sensor Grid
- Technology Needs
- Programs
 - -DCGS-A
 - -Signals Warfare
 - -NV/RSTA
- Virtual Acquisition Planning for Industry

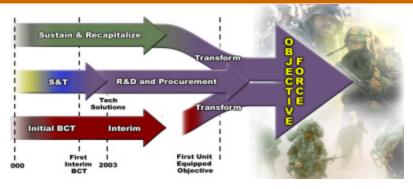


Army Vision

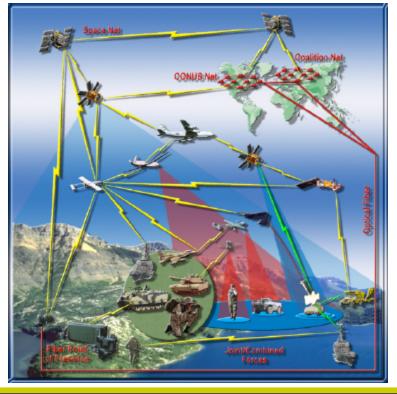


A strategically responsive force that is dominant across the full spectrum of operations....

...See First...
Understand First...
Act First...
Finish Decisively!



National - Joint - Combined





PEO IEW&S Organization





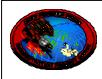
PM Signals Warfare

PM Aerial Common Sensor PM Prophet PM Information Warfare



PM DCGS-A

PM CGS & Datalinks **PM CHIMS**



PO JPSD



PM Navigation Systems

PM TIMS PM GPS/DAGR



PM NV/RSTA

PM FLIR

PM Robotic and Unmanned

Sensors

PM Firefinder

PM Tactical Applications



PM Aviation Systems

PM IRCM PM RFCM



PM C&ISS



Actionable Intelligence Capabilities

Dominant Maneuver

- Airborne
- Ground-Based















TSP TESAR



Prophet







LRAS3





f/ Bradley







DCGS-A

PLGR

DVE

Precision Engagement

- Targeting
- Sensor-to-Shooter



















2nd Gen FLIR f/ Abrams

CGS

Firefinder

DCGS-A



Actionable Intelligence Capabilities

Force Protection • Full Dimension















CID Panels

BCIS

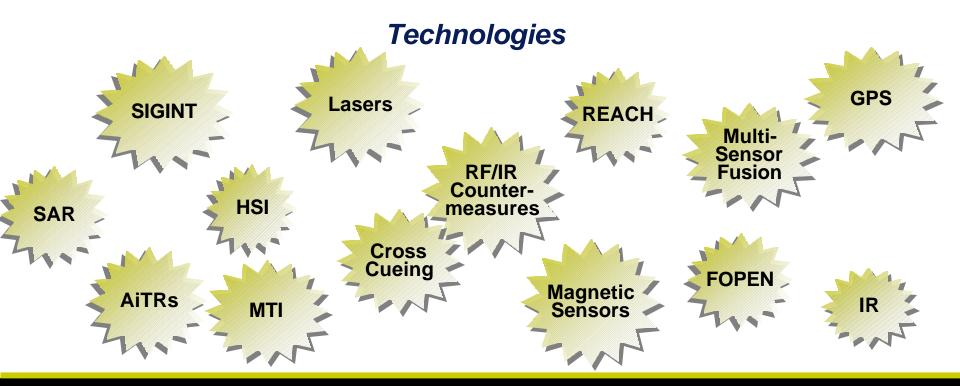
2nd Gen FLIR

LVRS

LRAS3

TUAV Payloads

ACS





Army Transformation – Where We Are Going...

Early Situational Understanding in Advance of the Fight

- Enhanced Indications and Warnings (I&W) which Enables Operational Maneuver from Strategic Distance
- Superior Intelligence to Better Manage Transition to Combat on our Own Terms
- Enabling ISR Sensors for Early Detection-Targeting is a 2nd Priority

Tactical Overmatch in Any Situation

- Will Operate with a 'Red Zone' that is Considerably Larger than the 3-5km Envisioned in Current Doctrine
- Embedded RSTA Sensors that Allow us to See Further, and Provide Ability to Engage with Long-Range Fires
- Full Spectrum Dominance in Both Urban and Open Environments

High Tempo - Continuous, Simultaneous Engagements

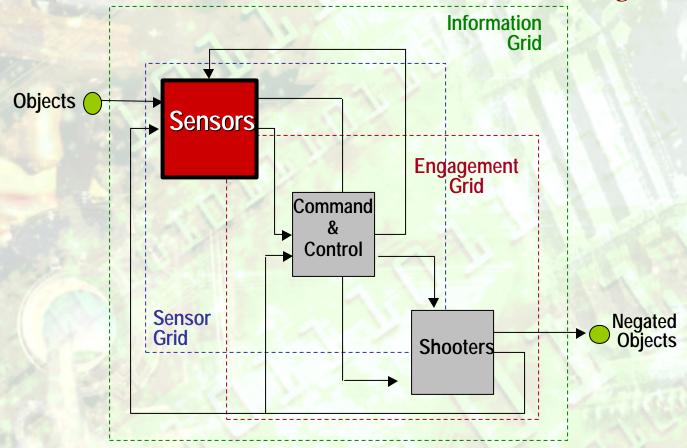
- Simultaneous Engagement and Distributed Operations
- Will Control More Space with Less Manpower and Reduced Foot Print

Integrated, Layered Sensors enables Adaptive Dominance



Army Transformation – Where We Are Going...

Netted Sensors Provide Actionable Intelligence

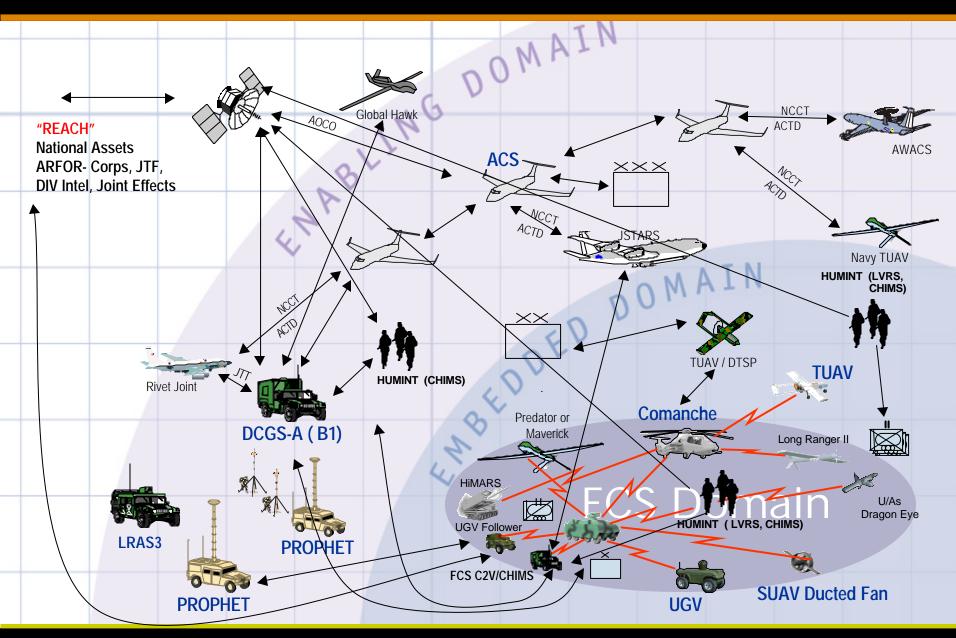


"In the fundamental shift to network-centric operations, sensor networks emerge as key enabler of increased combat power."

- Network Centric Warfare, 2nd Edition, Alberts, Garthska, Stein



Sensor Grid





Technology Needs for the Objective Force

IMINT

- Uncooled focal plane arrays
- 3rd Gen FLIR (higher resolution, longer ranges
- Aided target recognition
- Data fusion and correlation

MASINT

- Less complex man-machine interface
- Cross cueing to more mature sensors
- Millimeter Wave Imaging (through the wall)
- Magnetic sensing

SIGINT

- Efficient Low Band arrays
- Detecting Low Band Emitters
- Sharing COMINT resources
- Embedded precision geo-location (Multi-Ship operations)
- Beam forming interference cancellation (discriminating military targets in high density non-military environments)



Technology Needs for the Objective Force

Masked Target Sensors

- Locating CC&D targets
- Locating Buried Mines

National Tactical Integration

- Cooperative operations from manned and unmanned IMINT and MASINT platforms
- Airborne Overhead Cooperative Operations (AOCO)
- Network Centric Cooperative Targeting (NCCT)



PEO IEW&S (PM DCGS-A) <u>Distributed Common Ground Station - Army (DCGS-A)</u>

Program Objective:

An integration of existing and future ISR ground stations to produce a common modular, scalable, and Multi-INT joint interoperable architecture and capability.

Key Players:

PEO IEW&S	MDA
USAICS	DCGS-A Requirements
ASPO	TES Legacy System
PM SW	GRIFN Legacy System
PM DCGS-A	CGS Legacy System
	CHIMS Legacy System
PM I&E	ASAS Legacy System

Key Features:

- Improve Warfighter Situational Awareness/Understanding
- Improved Intel Dissemination at all Echelons
- Reduced Intel Forward Footprint
- Network Centric System of Systems Approach
- Interoperability and Data Sharing
- •Multi-INT TPED
- Interim DCGS-A Based on Legacy Systems
- •AoA to Determine Objective DCGS-A Approach

Program Major Milestones:

DATE	<u>EVENT</u>
2QFY 02	Modify Legacy System Contracts
1QFY 03	Enable INSCOM (513th MI Bde w/DCGS-A)
2QFY 03	Objective DCGS-A ORD Approval
3QFY 03	Objective DCGS-A MS B
4QFY 03	Interim DCGS-A at XVIII ABC
FY 04	Interim DCGS-A to III Corps
FY 06	Objective DCGS-A MS C
FY 09	Objective DCGS-A IOC
	-

Key Considerations: FCS Synchronization

Sensor Synchronization

Unit Set Fielding



Contract Opportunity

Objective: Provide Integrated Multi-INT Common Ground Station for the Objective Force

Contract Type: Competitive

Estimated Value: **TBD**

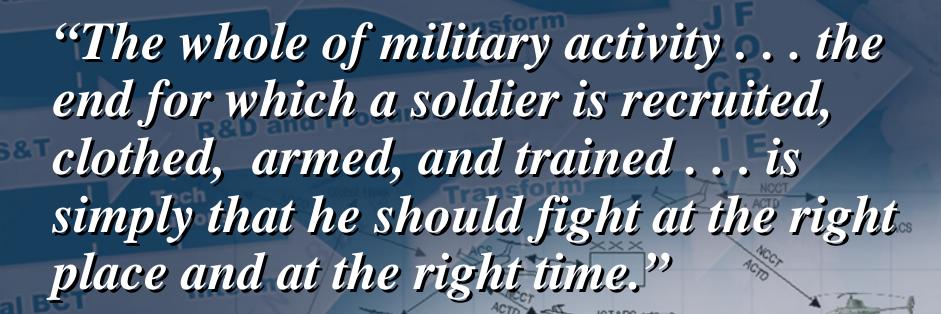
Key Milestones: 3QFY03 MS B; 4QFY03 Contract Award

Technical Contact:

Acquisition Contact: **TBD**

Solicitation # or RFQ #: TBD

Unclassified 1-



Clausewitz

See First...

Understand First...

Must Have
ISR!

Act First...

Finish decisively...



BIOGRAPHY

MR. EDWARD G. ELGART DIRECTOR CECOM Acquisition Center US Army Communications-Electronics Command Fort Monmouth, New Jersey

Edward G. Elgart is the Director of the CECOM Acquisition Center, U.S. Army Communications-Electronics Command (CECOM), Fort Monmouth, New Jersey, Fort Huachuca, Arizona, and Alexandria, Virginia. He also serves as the Principal Assistant Responsible for Contracting for that activity, Tobyhanna Army Depot, Army Signal Command, 5th Signal Command and TAO. He is responsible for the acquisition and support of Army and joint command, control, communications, computers, intelligence, electronic warfare, sensors and information management systems, estimated in excess of \$5 billion annually. Twice during his tenure, Mr. Elgart has served as the Acting Deputy Assistant Secretary of the Army for Procurement from August 2000-January 2002 and May 1997-May 1998. In that capacity, he was responsible for oversight and policy for all Army procurements, acquisition excellence and reform, and advocacy for the industrial base, as well as the proponent for the Army contracting career field. He also acted as the Army's Competition Advocate General during that time.

From 1985-1989, Mr. Elgart served in a variety of management positions with the Defense Logistics Agency, first at DCASPRO Teledyne CAE, than at DCASPAD Detroit, and culminating as the Director of Contract Management for the Defense Contract Administration Services Region Chicago. In that position, he was responsible for the administration of 18,000 defense contracts valued in excess of \$19 billion.

Mr. Elgart began his career in government service in 1976 as a Contract Specialist intern, procuring tactical radio equipment for the Army Electronics Command. In 1981, as the Chief, Readiness Policy Branch, he led a task force to reduce procurement administrative lead-time within the command. During his tenure as a Contracting Officer from 1983-1985, he was responsible for the negotiation and award of the \$4.3 billion contract for the Mobile Subscriber Equipment battlefield communications system.

Mr. Elgart entered the Senior Executive Service in June 1989, and is a 1996 recipient of the Presidential Meritorious



Executive Rank Award. He is a Fellow of the National Contract Management Association and a previous Fort Monmouth Chapter President and Executive Director. His awards and decorations include two Meritorious Civilian Service awards, the Honorable Order of Saint Barbara, and the Army Staff Identification Badge. He was the first recipient of the Acquisition Career Management Advocate of the Year award and was presented with the Secretary of the Army Professionalism in Contracting Award (Civilian) in 2000.

Mr. Elgart holds membership in numerous professional associations and is a member of the Army Acquisition Corps and the American Mensa Society. He has published numerous articles on the field of Government contracting and has taught graduate courses in that field at Fairleigh Dickinson University.

Mr. Elgart is a graduate of the Federal Executive Institute and the Command and General Staff Officer Course. He is also a graduate of the Brookings Institute-University of North Carolina Leadership 2000 program and the Center for Creative Leadership. He has a Bachelor's Degree in Biology from Kean University and a Master's Degree in Business Administration from Fairleigh Dickinson University.

He is married to the former Mary Ellen Reed of Deal, New Jersey. They have two children; Lindsay and Stephen.





Edward G. Elgart

Director, CECOM Acquisition Center

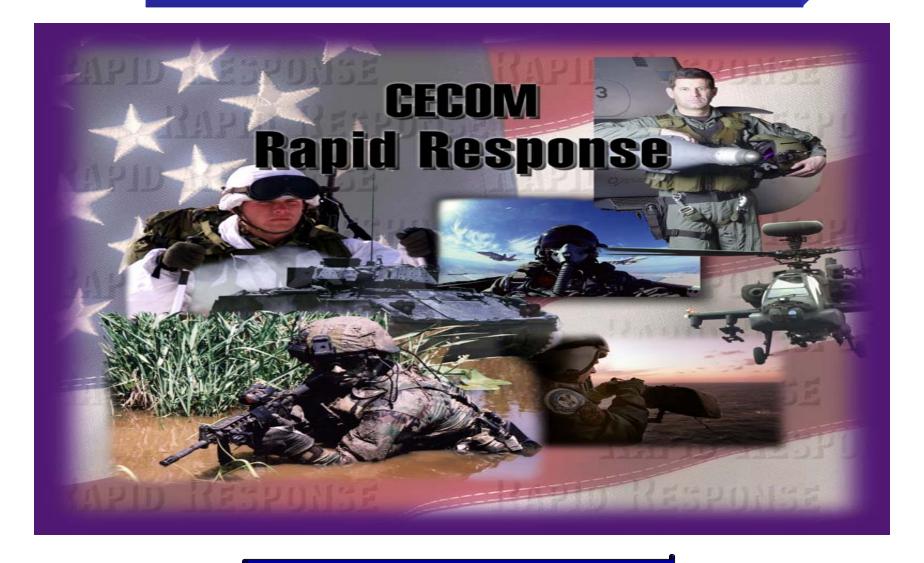
(732) 532-5601

Edward.Elgart@Mail1.monmouth.army.mil



FY 2002 in Review

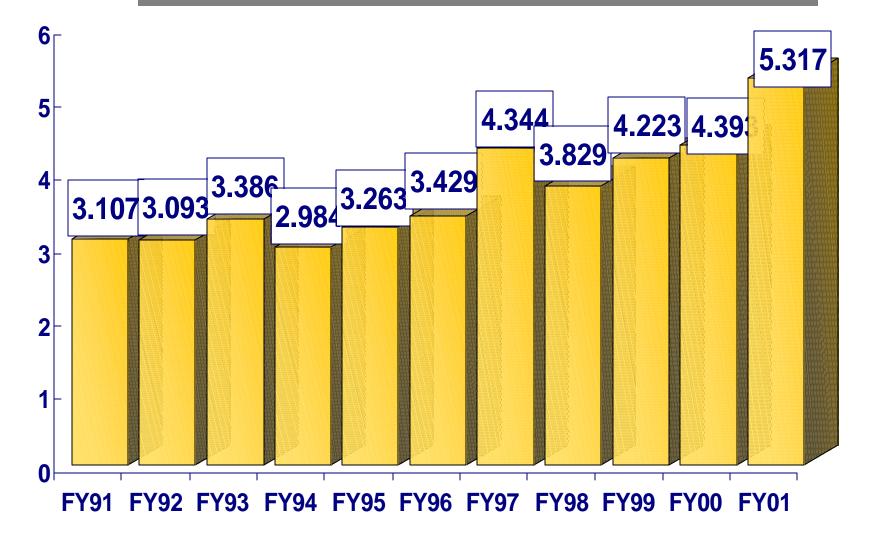






Total Obligations (Billions)







AMC Obligations Over \$25,000



FY01	#1 IN AMC	#3 IN AMC		
COMMAND	NO. OF ACTIONS	TOTAL DOLLARS (MIL)		
CECOM	7,841	5,317.0		
AMCOM	6,217	7,362.0		
TACOM	5,532	5,392.0		
RMAC	3,918	1.303.9		
OSC	1,701	1,886.0		
OTHER AMC	773	108.1		
TOTAL AMC	25,985	21,169.9		



Top 10 Large Businesses



•GENERAL DYNAMICS	798.386,385
■RAYTHEON COMPANY	459,719,212
■THE MITRE CORPORATION	226,904,266
■TRW INC.	184,104,115
•COMPUTER SCIENCES CORP.	182,911,824
•ARINC INC.	175,860,851
■ITT AEROSPACE/COMM	131,124,853
•LOCKHEED MARTIN CORP.	106,194,917
•SAIC INFORMATION SERVICES	102,608,787
•HARRIS CORP.	97,515,942



Top 10 Small Businesses

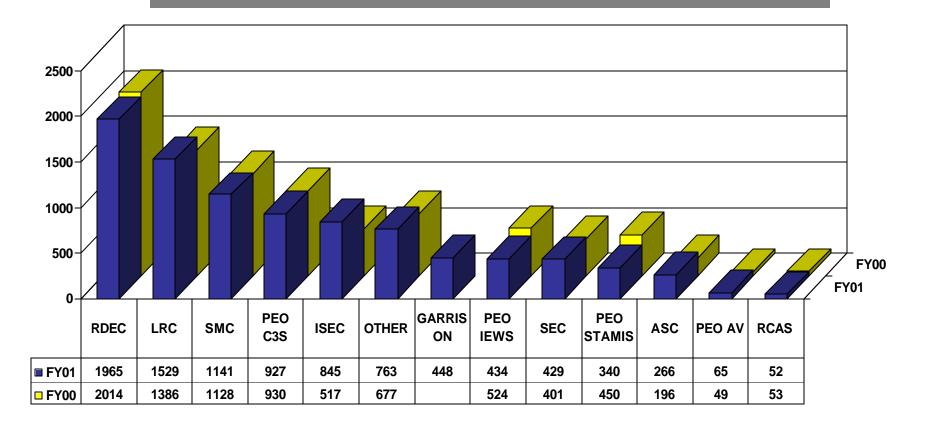


•MCII GENERATOR & ELECTRIC	31,099,540
■SIGNAL CORP.	27,799,739
■ <i>E-OIR MEASUREMENTS INC.</i>	26,703,163
■FIBERTEK	24,418,624
ENGINEERING & PROFESSIONAL SERVICES	22,526,800
■BREN-TRONICS, INC.	17,680,714
•CUSTOMER MANUFACTURING & ENGINEERING	14,206,768
■INSIGHT TECHNOLOGY	13,626,786
•COMTECH MOBILE DATACOM CORP.	12,781,653
•LAGUNA INDUSTRIES, INC.	11,528,969



Customer Distribution





■ FY01 □ FY00



Overall Summary



<u>CUSTOMER</u>	<u>AWARDEL</u>	ON-GOING		PPD (<u>CXCLD</u>
RDEC 7		16	None	3	
LRC	12	16		1	5
SMC	0	0		None	None
PEO C3S	5	4	None	None	
ISEC	0	0		None	None
OTHER	0	0		None	None
GARRISON	0	4		None	None



Overall Summary



<u>CUSTOMER</u>	<u>AWARD</u>	ED ON-GO	DING PPD CX	CLD
PEO IEWS	8	13	3	None
SEC	0	0	None	None
PEO STAMIS	3	7	4	None
ASC	0	4	None	None
PEO AVIATION	1 0	0	None	None
RCAS	0	0	None None	
PEO CS&CSS	5	3	None	None



Summary



CONTRACT OPPORTUNITIES FOR LAST YEAR



SUMMARY



- AWARDED
- ACTIVE
- INACTIVE



AWARDED



2001 REQUIREMENTS





TITLE: STANDOFF MINE DETECTION AND NEUTRALIZATION FOR THE

FUTURE COMBAT SYSTEM

CUSTOMER: RDEC

AWARDED: 31 JAN 02

DOLLAR AMT: \$69,985.00

CONTRACTOR: WHITEMOSS, INC.

CONTRACTING OFFICER: MS. PEGGY MELANSON (703) 325-6096

TITLE: STANDOFF MINE DETECTION AND NEUTRALIZATION FOR THE

FUTURE COMBAT SYSTEM

CUSTOMER: RDEC

AWARDED: 31 JAN 02

DOLLAR AMT: \$69,461.00

CONTRACTOR: ATEC, INC.

CONTRACTING OFFICER: MS. PEGGY MELANSON (703) 325-6096





TITLE: NIGHT VISION OMNIBUS "LOW TECH" SUPPORT

CUSTOMER: RDEC

AWARDED: 20 JUL 01

DOLLAR AMT: \$383,807,101.00 (EST.)

CONTRACTOR: FIBERTEK, INC.

CONTRACTING OFFICER: MR. RICK FORSBERG (732) 532-3547

TITLE: NIGHT VISION OMNIBUS "LOW TECH" SUPPORT

CUSTOMER: RDEC AWARDED: 20 JUL 01

DOLLAR AMT: \$406,480,230.00 (EST.)

CONTRACTOR: EOIR MEASUREMENTS, INC.

CONTRACTING OFFICER: MR. RICK FORSBERG (732) 532-3547





TITLE: CORDLESS CHIP BASED SOLDIER COMMUNICATIONS SYSTEM

CUSTOMER: RDEC

AWARDED: 12 APR 01

DOLLAR AMT: \$1,574,698.00 CONTRACTOR: ROCKWELL

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: UNIVERSAL PCS HANDSET

CUSTOMER: RDEC

AWARDED: 27 MAR 01

DOLLAR AMT: \$1,999,545.00 (TOTAL - OTHER TRANSACTION)

CONTRACTOR: ITT

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569





TITLE: ADVANCED PROTOCOLS FOR JOINT TACTICAL RADIO SYSTEM

(JTRS)

CUSTOMER: RDEC

AWARDED: 30 APR 01 DOLLAR AMT: \$4.3M

CONTRACTOR: ROCKWELL COLLINS

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: 60,000 BTU/HR ENVIRONMENTAL CONTROL UNIT

CUSTOMER: LRC

AWARDED: 28 JUN 01 DOLLAR AMT: \$3.7M

CONTRACTOR: MOBILIZED SYSTEMS, INC.

CONTRACTING OFFICER: MS. DONJOEAN RUCKER (732) 427-1651





TITLE: NEXT GENERATION II - CYLINDRICAL Li/MnO2

CUSTOMER: LRC

AWARDED: 10 DEC 01

DOLLAR AMT: \$200.0M TOTAL (SPLIT AWARD)

CONTRACTOR: SAFT AMERICA

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 532-3473

TITLE: NEXT GENERATION II - CYLINDRICAL Li/MnO2

CUSTOMER: LRC

AWARDED: 10 DEC 01

DOLLAR AMT: \$200.0M TOTAL (SPLIT AWARD)

CONTRACTOR: CANADIAN COMMERCIAL

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 532-3473





TITLE: AN/AVS-6, AN/PVS-7 AND AN/PVS-14 SPARES

CUSTOMER: LRC

AWARDED: 27 APR 01

DOLLAR AMT: \$6.1M (CEILING)

CONTRACTOR: INSIGHT TECHNOLOGY

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552

TITLE: AN/AVS-6, AN/PVS-7 AND AN/PVS-14 SPARES

CUSTOMER: LRC

AWARDED: 27 APR 01

DOLLAR AMT: \$6.6M (CEILING)

CONTRACTOR: ITT

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552





TITLE: AN/AVS-6, AN/PVS-7 AND AN/PVS-14 SPARES

CUSTOMER: LRC

AWARDED: 27 APR 01

DOLLAR AMT: \$50.4M (CEILING)
CONTRACTOR: LITTON SYSTEMS

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552

TITLE: AN/AVS-6, AN/PVS-7 AND AN/PVS-14 SPARES

CUSTOMER: LRC

AWARDED: 27 APR 01

DOLLAR AMT: \$51.5M (CEILING)

CONTRACTOR: ITT

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552





TITLE: AN-3900A ANTENNA AND COMPONENT SPARES

CUSTOMER: LRC

AWARDED: 16 JAN 02

DOLLAR AMT: \$5.0M (CEILING)

CONTRACTOR: ANTENNA RESEARCH ASSOCIATES

CONTRACTING OFFICER: MS. KATHLEEN RIZZO (732) 532-5798

TITLE: OMNICHARGE

CUSTOMER: LRC

AWARDED: 23 JUL 01

DOLLAR AMT: \$90.0M (EST.)

CONTRACTOR: BREN-TRONICS, INC.

CONTRACTING OFFICER: MR. TED KORDOWER (732) 427-6095





TITLE: IMPROVED ENVIRONMENTAL CONTROL UNITS

CUSTOMER: LRC

AWARDED: 16 AUG 01 DOLLAR AMT: \$1.9M

CONTRACTOR: KECO INDUSTRIES

CONTRACTING OFFICER: MS. PEGGY BUTLER (703) 325-4994

TITLE: IMPROVED ENVIRONMENTAL CONTROL UNITS

CUSTOMER: LRC

AWARDED: 16 AUG 01 DOLLAR AMT: \$2.8M

CONTRACTOR: WEDJ THREE C'S

CONTRACTING OFFICER: MS. PEGGY BUTLER (703) 325-4994





TITLE: UH60 BLACK HAWK CP2036/A COMMAND INSTRUMENT

PROCESSOR

CUSTOMER: LRC

AWARDED: 22 FEB 02

DOLLAR AMT: \$14.1M (CEILING)

CONTRACTOR: ASTRONAUTICS CORPORATION OF AMERICA CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 532-5416

TITLE: ONE WATT LINEAR (OWL) COOLER

CUSTOMER: PEO IEW&S

AWARDED: 27 APR 01

DOLLAR AMT: \$1,647,610.00

CONTRACTOR: AEG





TITLE: PROPHET BLOCK I CUSTOMER: PEO IEW&S

AWARDED: 30 MAY 01

DOLLAR AMT: \$30.0M (EST.)

CONTRACTOR: TITAN SYSTEMS CORPORATION

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: STANDARD ADVANCED DEWAR ASSEMBLY, TYPE II

(SADA II)

CUSTOMER: PEO IEW&S

AWARDED: 12 APR 01

DOLLAR AMT: \$7,086,940.00

CONTRACTOR: DRS





TITLE: STANDARD ADVANCED DEWAR ASSEMBLY, TYPE II

(SADA II)

CUSTOMER: PEO IEW&S

AWARDED: 12 APR 01

DOLLAR AMT: \$9,751,924.00 CONTRACTOR: RAYTHEON

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454

TITLE: STANDARD ADVANCED DEWAR ASSEMBLY, TYPE II

(SADA II)

CUSTOMER: PEO IEW&S AWARDED: 12 APR 01

DOLLAR AMT: \$3,202,540.00 CONTRACTOR: SOFRADIR





TITLE: HTI 2ND GENERATION FLIR – "B" KIT

CUSTOMER: PEO IEW&S

AWARDED: 31 JAN 01

DOLLAR AMT: \$31,898,883.00 CONTRACTOR: RAYTHEON

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454

TITLE: HTI 2ND GENERATION FLIR – "B" KIT

CUSTOMER: PEO IEW&S

AWARDED: 31 JAN 01

DOLLAR AMT: \$28,335,610.00

CONTRACTOR: DRS





TITLE: ONE WATT LINEAR (OWL) COOLER

CUSTOMER: PEO IEW&S

AWARDED: 27 APR 01

DOLLAR AMT: \$2,376,155.00

CONTRACTOR: DRS

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454

TITLE: PORTABLE BARRIERS

CUSTOMER: PEO CS&CSS

AWARDED: 15 OCT 01

DOLLAR AMT: \$77.0M (EST.)

CONTRACTOR: NASATKA BARRIERS, INC.

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714





TITLE: PRODUCTS AND SERVICES TO SUPPORT INTERIOR AND

EXTERIOR INTRUSION DETECTION

CUSTOMER: PEO CS&CSS

AWARDED: 31 JUL 01

DOLLAR AMT: \$60.0M (EST.)
CONTRACTOR: VARIOUS

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714

TITLE: PROTECTIVE (BALLISTIC) GUARD BOOTHS AND FIXED/MOVABLE

BARRIERS

CUSTOMER: PEO CS&CSS

AWARDED: 10 OCT 01

DOLLAR AMT: \$260.7M (EST.)

CONTRACTOR: DELTA SCIENTIFIC CORPORATION

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714





TITLE: PRODUCTS AND SERVICES TO SUPPORT INTERIOR AND

EXTERIOR INTRUSION DETECTION

CUSTOMER: PEO CS&CSS

AWARDED: 30 JUN 00

DOLLAR AMT: \$60.0M (EST.)
CONTRACTOR: VARIOUS

CONTRACTING OFFICER: MS. MARY J. BYRD (703) 325-1714

TITLE: MOBILE DETECTION ASSESSMENT RESPONSE SYSTEM -

EXTERIOR (MDARS-E)

CUSTOMER: PEO CS&CSS

AWARDED: 7 JAN 02

DOLLAR AMT: \$9.5M (EST.)

CONTRACTOR: GENERAL DYNAMICS ROBOTICS SYSTEMS

CONTRACTING OFFICER: MR. RICHARD STURGIS (703) 325-6068





TITLE: LONG TERM LIFE CYCLE SUPPORT (LTLCS) FOR NORTEL

NETWORKS DIGITAL TELEPHONE SYSTEMS

CUSTOMER: PEO EIS AWARDED: 21 AUG 01

DOLLAR AMT: \$98.0M (EST.)

CONTRACTOR: GENERAL DYNAMICS NETWORK SYSTEMS

CONTRACTING OFFICER: MS. GLORIA HOFFMAN (732) 427-1433

TITLE: PROGRAM MANAGEMENT SUPPORT SERVICES (PMSS)

CUSTOMER: PEO EIS AWARDED: 4 SEP 02

DOLLAR AMT: \$277.0M (EST.)

CONTRACTOR: VARIOUS

CONTRACTING OFFICER: MR. RICHARD STURGIS (703) 325-6068





TITLE: JOINT COMPUTER AIDED ACQUISITION AND LOGISTICS

SUPPORT (JCALS) DEFENSE LOGISTICS INFORMATION

MANAGEMENT SYSTEM (DALIMS)

CUSTOMER: PEO EIS AWARDED: 26 JUN 01

DOLLAR AMT: \$46.0M (EST.)

CONTRACTOR: COMPUTER SCIENCES CORPORATION

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714

TITLE: JOINT TACTICAL RADIO SYSTEM (JTRS) MULTIBAND ANTENNA

CUSTOMER: PEO C3T AWARDED: 21 MAR 01

DOLLAR AMT: \$229,722.00

CONTRACTOR: ITT

CONTRACTING OFFICER: MS. JO-ANN LEE (732) 532-2315





TITLE: JOINT NETWORK MANAGEMENT SYSTEM (JNMS)

CUSTOMER: PEO C3T AWARDED: 14 MAY 01 DOLLAR AMT: \$9.4M

CONTRACTOR: SCIENCE APPLICATIONS INTERNATIONAL CORP.

(SAIC)

CONTRACTING OFFICER: KENNETH TEDESCHI (732) 532-4846

TITLE: GLOBAL COMMAND AND CONTROL SYSTEM-ARMY

(GCCS-A) ENGINEERING AND INTEGRATION CONTRACT

CUSTOMER: PEO C3T AWARDED: 29 JUN 01 DOLLAR AMT: \$223.0M

CONTRACTOR: LOCKHEED MARTIN

CONTRACTING OFFICER: MS. PEGGY BUTLER (703) 325-4994





TITLE: JOINT TACTICAL RADIO SYSTEM (JTRS) MULTIBAND ANTENNA

CUSTOMER: PEO C3T AWARDED: 22 MAR 01

DOLLAR AMT: \$94,373.00

CONTRACTOR: SHAKESPEARE

CONTRACTING OFFICER: MS. VIRGINIA KNIGHT (732) 532-4775

TITLE: JOINT TACTICAL RADIO SYSTEM (JTRS) MULTIBAND ANTENNA

CUSTOMER: PEO-C3T AWARDED: 23 MAR 01

DOLLAR AMT: \$128,516.00

CONTRACTOR: MEGAWAVE

CONTRACTING OFFICER: MS. VIRGINIA KNIGHT (732) 532-4775





2001 REQUIREMENTS





TITLE: SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)

CUSTOMER: RDEC

KEY MILESTONES: (Phase I)

SOLICITATION POSTED: 3QFY02 PROPOSALS ACCEPTED: 4QFY02 SOLICITATION CLOSES: 4QFY02

FORECAST AWARD: 1QFY03

ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346

TITLE: DISTRIBUTED UNATTENDED SENSOR TECHNOLOGY

CUSTOMER: RDEC KEY MILESTONES:

RELEASE RFP: 1QFY02

FORECAST AWARD: 3QFY02

ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346





TITLE: SENSORS FOR THE FUTURE COMBAT SYSTEM COST EFFECTIVE

TARGETING SYSTEM

CUSTOMER: RDEC KEY MILESTONES:

ISSUE BAA: 3QFY01

FORECAST AWARD: 1QFY05

CONTRACTING OFFICER: MS. MARY PATERNO-MIHALKO (732) 532-3992

TITLE: MULTI-MISSION RADAR PROGRAM

CUSTOMER: RDEC KEY MILESTONES:

RELEASE RFP: 1QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569





TITLE: SENSORS FOR SMALL UNMANNED AERIAL VEHICLE (SUAV)

CUSTOMER: RDEC KEY MILESTONES:

ISSUE RFP: 1QFY03

FORECAST AWARD: 3QFY04

CONTRACTING OFFICER: MR. RON BACKES (732) 532-1552

TITLE: HEAD TRACKED SENSOR SUITE (HTSS)

CUSTOMER: RDEC KEY MILESTONES:

ISSUE BAA: 3QFY02

FORECAST AWARD: 4QFY02





TITLE: SENSORS FOR FUTURE COMBAT SYSTEM – NETWORK

SENSORS FOR OBJECTIVE FORCE

CUSTOMER: RDEC KEY MILESTONES:

RELEASED RFP: 2QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. RON BACKES (732) 532-1552

TITLE: SMART NETWORKED RADIO TECHNOLOGY

CUSTOMER: RDEC KEY MILESTONES:

ISSUE BAA: 1QFY04

FORECAST AWARD: (MULTIPLE) 2QFY04

PROTOTYPE DELIVERY: 4QFY05

CONTRACTING OFFICER: MR. RICK KOLARSICK (732) 532-4346





TITLE: I2WD 2001 – BROAD AGENCY ANNOUNCEMENT

CUSTOMER: RDEC KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 1QFY01

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 4QFY04

CONTRACTING OFFICER: MS. MARY PATERNO-MIHALKO (732) 532-3992

TITLE: MULTIFUNCTIONAL ON-THE-MOVE SECURE ADAPTIVE

INTEGRATED COMMUNICAATIONS (MOSAIC)

CUSTOMER: RDEC KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 3QFY00

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 1QFY03 CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569





TITLE: TACTICAL C2 PROTECT

CUSTOMER: RDEC KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 3QFY00

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 3QFY03 CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: ADVANCED ANTENNAS

CUSTOMER: RDEC KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 3QFY00

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 3QFY03 CONTRACTING OFFICER: MS. VIRGINIA KNIGHT (732) 532-4348





TITLE: AGILE COMMANDER ADVANCED TECHNOLOGY DEMONSTRATION

CUSTOMER: RDEC KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 4QFY00

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 4QFY03 CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: LOGISTICS COMMAND AND CONTROL ADVANCED TECHNOLOGY

DEMONSTRATION

CUSTOMER: RDEC KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 4QFY00

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 4QFY03 CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569





TITLE: ON-THE-MOVE SATELLITE COMMUNICATIONS

CUSTOMER: RDEC KEY MILESTONES:

RELEASED RFP: 1QFY01

FORECAST AWARD: 2QFY04

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: DUAL USE SCIENCE & TECHNOLOGY OPPORTUNITIES

CUSTOMER: RDEC KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 3QFY01

FORECAST AWARD: 3QFY02

ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346





TITLE: AIRCRAFT BATTERIES

CUSTOMER: LRC KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. TED KORDOWER (732) 427-6095

TITLE: NEXTGEN II NON-RECHARGEABLE BATTERIES

CUSTOMER: LRC KEY MILESTONES:

RELEASE RFP: 1QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 427-3473





TITLE: SPARES FOR AN/ALQ-144A(V) COUNTERMEASURE SET

CUSTOMER: LRC

KEY MILESTONES: (Current Small Business Contract)

RELEASE RFP: 3QFY04

FORECAST AWARD: 4QFY04

CONTRACTING OFFICER: MS. VERNAY SALAS (732) 532-1257

TITLE: SPARES FOR AN/ALQ-144A(V) COUNTERMEASURE SET

CUSTOMER: LRC

KEY MILESTONES: (Current Full and Open Contract)

RELEASE RFP: 3QFY04

FORECAST AWARD: 4QFY04

CONTRACTING OFFICER: MS. VERNAY SALAS (732) 532-1257





TITLE: AN/PRC-127B RADIO SET

CUSTOMER: LRC KEY MILESTONES:

RELEASED RFP: 2QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. MIKE NEEB (732) 532-1832

TITLE: FIVE AND TEN KILOWATT ENGINES

CUSTOMER: LRC KEY MILESTONES:

RELEASE RFP: 3QFY04

FORECAST AWARD: 4QFY04

CONTRACTING OFFICER: MS. YVONNE HICKS BOVA (732) 532-3829





TITLE: AB-1386/U QUICK ERECT ANTENNA MAST

CUSTOMER: LRC KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. HOMER O'KREPKI (732) 532-4840

TITLE: NEXT GENERATION II – Li/SO2

CUSTOMER: LRC KEY MILESTONES:

RELEASED RFP: 1QFY01

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 532-3473





TITLE: NEXT GENERATION II – SMALL CELL Li/MnO2

CUSTOMER: LRC KEY MILESTONES:

RELEASE RFP: 2QFY03

FORECAST AWARD: 3QFY03

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 532-3473

TITLE: NEXT GENERATION II – RECTANGULAR Li/MnO2

CUSTOMER: LRC KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 532-3473





TITLE: COMMON MODULE LIGHT EMITTING DIODE RAYS

CUSTOMER: LRC KEY MILESTONES:

RELEASED RFP: 3QFY01

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552

TITLE: SPARES FOR THE AN/APR-39A(V) RADAR WARNING RECEIVER

CUSTOMER: LRC KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 532-5416





TITLE: OVERSPEED SWITCHES FOR 15KW, 30KW, 60KW MILITARY

STANDARD GENERATOR SETS

CUSTOMER: LRC KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. KARIN BOGNER (732) 427-1605

TITLE: 350,000 BTU/HR LARGE CAPACITY FIELD HEATER

CUSTOMER: LRC KEY MILESTONES:

RELEASED RFP: 1QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MS. PATRICIA DAVIS (703) 325-1713





TITLE: SPARES FOR THE AN/APR-39A(V), RADAR WARNING RECEIVER

CUSTOMER: LRC KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 532-5416

TITLE: MAIN ALTERNATORS FOR MILITARY STANDARD GENERATOR

SETS

CUSTOMER: LRC KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. KARIN BOGNER (732) 532-5719





TITLE: ONE WATT LINEAR (OWL) COOLER

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454

TITLE: STANDARD ADVANCED DEWAR ASSEMBLY, TYPE II

(SADA II)

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. JACK KULAGA (732) 427-1356





TITLE: COMBAT IDENTIFICATION FOR THE DISMOUNTED SOLDIER

(INDIVIDUAL COMBAT IDENTIFICATION SYSTEM (ICIDDS)

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 2QFY03

CONTRACTING OFFICER: MS. JUDITH ANDERSON (732) 427-1408

TITLE: THERMAL OMNIBUS II

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 2QFY03

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454





TITLE: PROPHET BLOCK II EA

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: PROPHET BLOCK III LPI/MMI

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569





TITLE: PROPHET BLOCK IV SIGINT/MASINT FUSION

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 3QFY04

FORECAST AWARD: 1QFY05

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: DCGS-A

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 3QFY03

FORECAST AWARD: 2QFY04

CONTRACTING OFFICER: MR. THOMAS MOORE (732) 427-1335





TITLE: M1A2 SEP BIOCULAR IMAGE CONTROL UNIT (BICU)

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASED RFP: 2QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454

TITLE: THERMAL OMNIBUS II CONTRACT OPPORTUNITY

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 2QFY03

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454





TITLE: ENHANCED NIGHT VISION GOGGLE (ENVG) CONTRACT

OPPORTUNITY

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 2QFY03

CONTRACTING OFFICER: MR. JACK KULAGA (732) 427-1356

TITLE: LIGHTWEIGHT VIDEO RECONNAISSANCE SYSTEM (LVRS)

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 1QFY04

FORECAST AWARD: 2QFY04

CONTRACTING OFFICER: MR. JACK KULAGA (732) 427-1356





TITLE: IMAGE INTENSIFICATION SYSTEMS OMNIBUS CONTRACT

OPPORTUNITY

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASED RFP: 1QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. JACK KULAGA (732) 427-1356

TITLE: COMMON HARDWARE SYSTEMS (CHS 3)

CUSTOMER: PEO COMBAT GROUND COMMAND & CONTROL

KEY MILESTONES:

RELEASED RFP: 1QFY03

FORECAST AWARD: 3QFY03

CONTRACTING OFFICER: MS. MONA THOMAS (732) 427-1540





TITLE: WIN-TACTICAL (WIN-T)

CUSTOMER: PEO C3T

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. KENNETH TEDESCHI (732) 532-4846

TITLE: TACTICAL SWITCH REQUIREMENT (TSR)

CUSTOMER: PEO C3T

KEY MILESTONES:

RELEASED RFP: 4QFY01

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. BRUCE KUELLER (732) 427-1583





TITLE: APPLIQUE COMPUTERS, RELATED SYSTEM INTEGRATION &

SUPPORT SERVICES

CUSTOMER: PEO C3T

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. ALEX MATEJKA (732) 532-4916

TITLE: GROUND COMBAT C3 MIGRATION

CUSTOMER: PEO C3T

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 3QFY03

CONTRACTING OFFICER: MS. MARCIA EASTON (732) 532-2385





TITLE: LONG TERM LIFE CYCLE SUPPORT

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MS. ATHENA LOESCH (732) 427-1461

TITLE: INFORMATION TECHNOLOGY ENTERPRISE SOLUTIONS (ITES)

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MS. BARBARA TRUJILLO (703) 325-3341





TITLE: ARMY ENTERPRISE INFOSTRUCTURE TRANSFORMATION

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 3QFY03

CONTRACTING OFFICER: MS. PATRICIA DAVIS (703) 325-1713

TITLE: JOINT COMPUTER AIDED ACQUISITION AND LOGISTICS SUPPORT

(JCALS) FOLLOW-ON FOR SUSTAINMENT SERVICES

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 3QFY03

CONTRACTING OFFICER: MR. RICHARD STURGIS (703) 325-6068





TITLE: ADVANCED MEDIUM-SIZED MOBILE POWER SOURCES (AMMPS)

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASED RFP: 1QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. JOHN O'NIEAL (732) 427-1589

TITLE: WIDEBAND ANTI-JAM MODEM SYSTEM (WAMS)

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. MICHAEL NEEB (732) 532-1832





TITLE: RADIO IDENTIFICATION TECHNOLOGY II (RFID-II)

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. GLORIA MCGEE (703) 325-2927

TITLE: VEHICLE AND CARGO INSPECTION SYSTEMS

CUSTOMER: PEO CS&CSS

KEY MILESTONES:

RELEASED RFP: 2QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. RICHARD STURGIS (703) 325-6068





TITLE: PM PHYSICAL SECURITY EQUIPMENT (PSE) SYSTEM

ENGINEERING INTEGRATION SUPPORT (SEIS)

CUSTOMER: PEO CS&CSS

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. RICHARD STURGIS (703) 325-6068

TITLE: INTEGRATED COMMERCIAL INTRUSION DETECTION SYSTEM

CUSTOMER: PEO CS&CSS

KEY MILESTONES:

RELEASED RFP: 2QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MS. TERESA WHITE (703) 325-6172





TITLE: ADMINISTRATIVE TELEPHONE SERVICES, FT. JACKSON

CUSTOMER: ARMY SIGNAL COMMAND

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. LINDA VAN COLLIE (520) 533-0433

TITLE: ADMINISTRATIVE TELEPHONE SERVICES, REDSTONE ARSENAL

CUSTOMER: ARMY SIGNAL COMMAND

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MS. LINDA VAN COLLIE (520) 533-0433





TITLE: ADMINISTRATIVE TELEPHONE SERVICES, FT. SAM HOUSTON

CUSTOMER: ARMY SIGNAL COMMAND

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. LAURA O'BRENNAN (520) 538-8698

TITLE: OFFICE AUTOMATION SUPPORT SERVICES

CUSTOMER: ARMY SIGNAL COMMAND

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MS. LAURA O'BRENNAN (520) 538-8698





TITLE: INSTALLATION SUPPORT SERVICES

CUSTOMER: US ARMY GARRISON, FORT MONMOUTH

KEY MILESTONES:

RELEASED RFP: 2QFY01

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. VIRGINIA KNIGHT (732) 532-4775

TITLE: FORT MONMOUTH GARRISON (FMG) BASE OPERATIONS

COMMERCIAL ACTIVITY (CA) STUDY

KEY MILESTONES:

INITIAL DECISION: 2QFY02

FINAL DECISION: 3QFY02

CONT AWD/CXL SOL: 4QFY02

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552





TITLE: TOBYHANNA BASE OPERATIONS COMMERCIAL ACTIVITY

(CA) STUDY

KEY MILESTONES:

INITIAL DECISION: 3QFY02

FINAL DECISION: 3QFY02

CONT AWD/CXL SOL: 4QFY02

CONTRACTING OFFICER: MS. JO-ANN LEE (732) 532-2315

TITLE: INFORMATION MISSION AREA (IMA) COMMERCIAL ACTIVITY

(CA) STUDY

KEY MILESTONES:

INITIAL DECISION: 2QFY02

FINAL DECISION: 3QFY02

CONT AWD/CXL SOL: 4QFY02

CONTRACTING OFFICER: MS. KAREN CONTI (732) 532-1984





TITLE: INTEGRATED LASER WHITE-LIGHT POINTER (ILWP)

CUSTOMER: PEO SOLDIER

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 2QFY03

CONTRACTING OFFICER: MS. LINDA VAN COLLIE (520) 533-0433





2001 REQUIREMENTS





TITLE: CORDLESS CHIP BASED SOLDIER COMMUNICATIONS

CUSTOMER: RDEC

STATUS: CANCELLED

ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346

TITLE: TACTICAL C2 PROTECT

CUSTOMER: RDEC

STATUS: CANCELLED

ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346





TITLE: FUEL CELL HYBRID POWER FOR LAND WARRIOR

CUSTOMER: RDEC

STATUS: CANCELLED

ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346

TITLE: 4.2 KILOWATT AUXILIARY POWER UNIT – MERGED WITH MAIN

ALTERNATORS FOR MILITARY STANDARD GENERATOR SETS

CUSTOMER: LRC

STATUS: POSTPONED

CONTRACTING OFFICER: MS. KARIN BOGNER (732) 427-1605





TITLE: AN/VIC-1 INTERCOM SYSTEM SPARES

CUSTOMER: LRC

STATUS: CANCELLED

CONTRACTING OFFICER: MR. JOHN O'NIEAL (732) 427-1589

TITLE: AN/ARM-186 VERY HIGH FREQUENCY OMNI-DIRECTIONAL RANGE STATION INSTRUMENTAL LANDING SYSTEM RECEIVER

TEST SET

CUSTOMER: LRC

STATUS: CANCELLED

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 532-5416

CECOM Bottom Line: THE WARFIGHTER





TITLE: TRANSMITTER OSCILLATOR (P/O AN/APX-72)

CUSTOMER: LRC

STATUS: CANCELLED

CONTRACTING OFFICER: MS. PATRICIA CALTABILOTA (732) 532-5416

TITLE: AN/ARM-186 VERY HIGH FREQUENCY OMNI-DIRECTIONAL RANGE STATION INSTRUMENTAL LANDING SYSTEM RECEIVER

TEST SET

CUSTOMER: LRC

STATUS: CANCELLED

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 532-5416

CECOM Bottom Line: THE WARFIGHTER





TITLE: CN-1314()A DISPLACEMENT GYROSCOPE

CUSTOMER: LRC

STATUS: CANCELLED

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 427-1506

TITLE: SOFTWARE DEVELOPMENT

CUSTOMER: PEO EIS STATUS: CANCELLED

CONTRACTING OFFICER: MS. MARY O'HARA (703) 325-3343





TITLE: ELECTRONIC TRIP FLARE (ETF)

CUSTOMER: PEO EIS STATUS: POSTPONED

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714

TITLE: STAMIS TACTICAL COMPUTERS (SCC-III)

CUSTOMER: PEO EIS STATUS: POSTPONED

CONTRACTING OFFICER: MS. CONNIE SIMMONS (703 325-3352

CECOM Bottom Line: THE WARFIGHTER





TITLE: HIGH VALUE ITEM SECURITY SYSTEM - HVISS

CUSTOMER: PEO EIS STATUS: POSTPONED

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714

TITLE: PEO IEW&S "CORE" SUPPORT

CUSTOMER: PEO IEW&S STATUS: POSTPONED

CONTRACTING OFFICER: MS. DEBRA SHREVE (732) 532-2461





TITLE: BATTLEFIELD COMBAT IDENTIFICATION SYSTEM (BCIS)

CUSTOMER: PEO IEW&S STATUS: POSTPONED

CONTRACTING OFFICER: MS. JUDITH ANDERSON (732) 427-1408

TITLE: LIGHTWEIGHT VIDEO RECONNAISSANCE SYSTEM (LVRS)

CUSTOMER: PEO IEW&S STATUS: POSTPONED

CONTRACTING OFFICER: MR. JACK KULAGA (732) 427-1356



Contract Title



- OBJECTIVE:
- CONTRACT TYPE:
- ESTIMATED VALUE:
- KEY MILESTONES:
- TECHNICAL CONTACT:
- ACQUISITION CONTACT:
- SOLICITATION # or RFQ #:





Project Manager Night Vision/ Reconnaissance, Surveillance and Target Acquisition (PM NV/RSTA)

Contract Opportunities

Mr. John Gresham
Deputy Project Manager, NV/RSTA

(703) 704-3444 john.gresham@nvl.army.mil

PM NV/RSTA Mission

UNCLASSIFIED

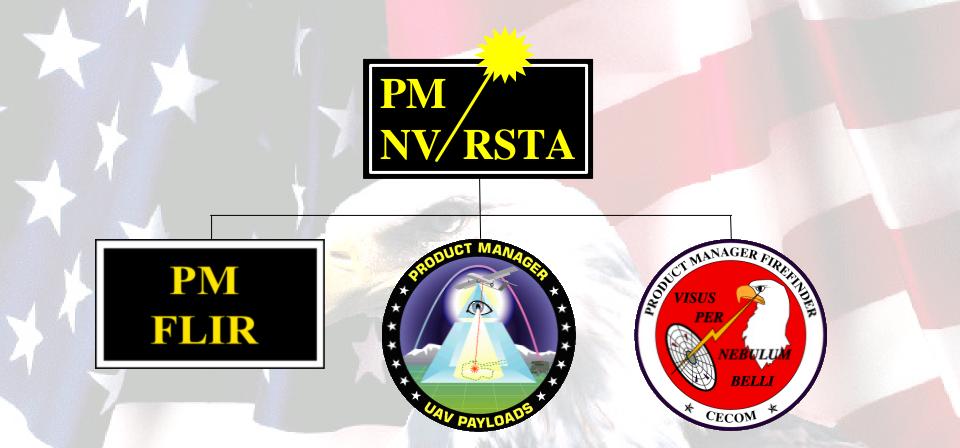


PM NV/RSTA develops, acquires, and provides superior, affordable day/night vision, multi-sensor and artillery locating radar systems to the American warfighter.



PM NV/RSTA Organization





Thermal
Systems for
Vehicles

Last Updated: 21-May-02

Robotic and Unmanned Sensors

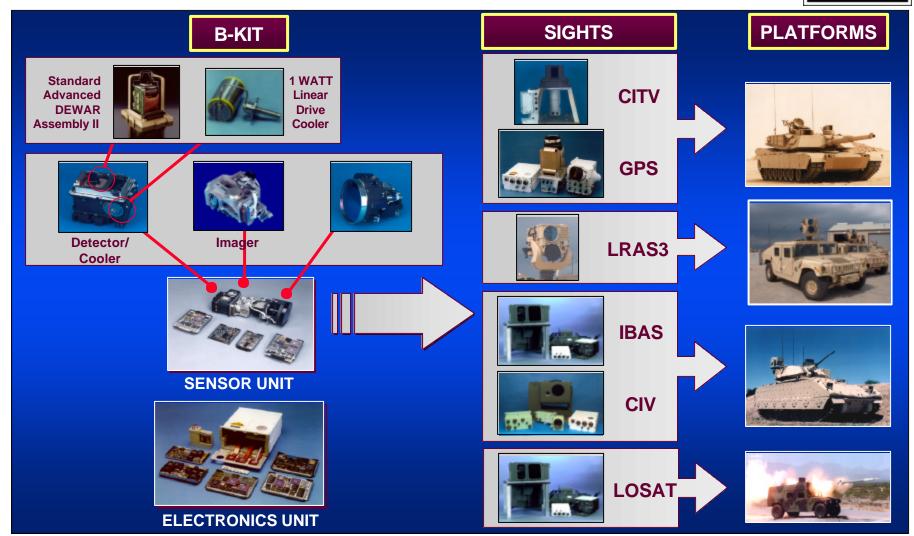
Artillery Locating Radar



Thermal System for Vehicles







Horizontal Technology Integration Second Gen FLIR

PM NV/RSTA APBI 6-7 May 02 left screen.ppt Last Updated: 21-May-02 UNCLASSIFIED



UNCLASSIFIED PM FLIR













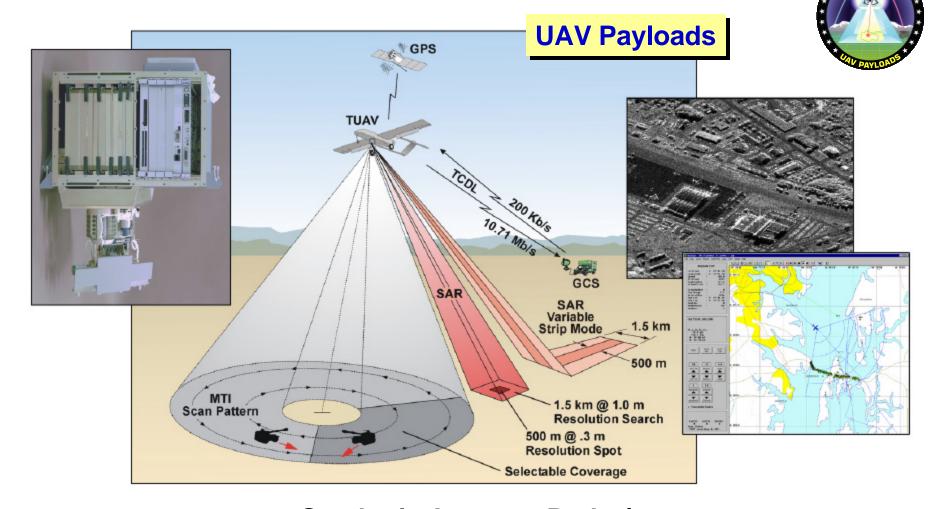
Lightweight Laser Designator Rangefinder (LLDR)



PM Robotic & Unmanned Sensors







Synthetic Aperture Radar/ Moving Target Indicator (SAR/MTI)

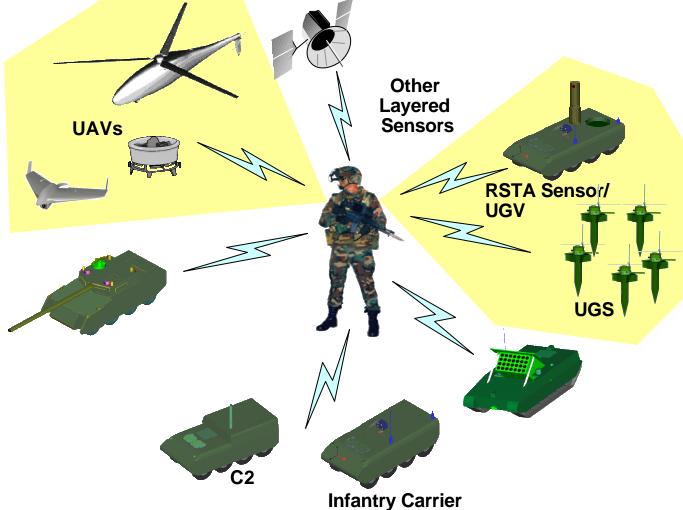


Robotic & Unmanned Sensors

Future Opportunities









PM Firefinder







Firefinder (AN/TPQ-36(V)8)





Firefinder (AN/TPQ-37(V)8)



Artillery Locating Radar





Firefinder (AN/TPQ-47)



Future Programs



Uncooled Lightweight Thermal Module – B-Kit



Figure 2 – Nytech Camera Core



Figure 1 – Boeing Microbolometer

Some Examples



Figure 3 – Sofradir Microbolometer

- Uncooled B-Kit is a light weight, infrared module, that interfaces to the optics and electronics of various systems.
- Presently no standard exists for the lightweight thermal detector in industry. These thermal detectors are different from each other and can only be used with specific optics and electronics.
- The development of a lightweight thermal detector B-Kit standard will encourage competition and reduce costs.

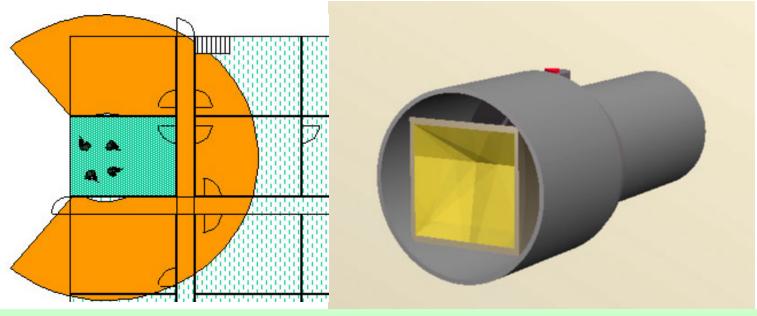


Future Programs



12

Hand Held Sense through the Wall (STTW) Scanner



- •Hand Held STTW Scanner is a light weight, stand alone, STTW device that provides infantry the capability of detecting people through building walls, ceilings, and floors.
- Hand Held STTW Scanner is the first in a series of STTW devices leveraging technologies assembled in National Institute of Justice coordinated research.
- •Follow on STTW devices will provide enhanced capabilities on vehicular and unmanned platforms through HTI.



Thermal Omnibus II TWS Characteristics



- Lightweight Day/Night Thermal Target Acquisition System
- **Operates in Adverse Weather and Dirty Battlefield Conditions**
- Provides Surveillance and Target Acquisition Capability for Individual and Crew Served Weapons
- Light and Medium Versions:

	<u>Light TWS</u>	<u>Medium TWS</u>
Weight (lbs.)	2 (obj.) - 3 (threshold)	3.5 – 5
Field of View (° min)	14	6/18 switchable
Range (M, clear air, man tgt)	550	1100

Desired Enhancements

Lower Weight, Power, Operations & Support Costs

Increased Reliability, Range, Field of View

Path for Technology Improvement Insertion



Thermal Weapon Sight (TWS) AN/PAS-13







View Through TWS



Medium TWS

PM NV/RSTA APBI 6-7 May 02 left screen.ppt

Last Updated: 21-May-02

UNCLASSIFIED



Thermal Omnibus II DVE Characteristics



- Thermal Imaging Device to Aid Driving of Tactical Wheeled Vehicles and Combat Vehicles
- Enhances Vehicle Movement During Daylight, Darkness,
 Adverse Weather, and Dirty Battlefield Conditions
- System Consists of "A" and "B" Kits Comprised of Vehicle Installation/Mounting Hardware, Sensor, and Display/Control
- Supports Detection of 22 Inch Object at 110 Meters
- Required Minimum Field of View: 20° Vertical, 40° Horizontal
- Desired Enhancements
 - Increased Field of View, Better Depth Perception
 - Improved Limited Visibility Operations, High Resolution Display
 - Increased Reliability, Reduced Operation & Support Cost
 - Ability to Incorporate Technology Improvements Such As Multi-Spectral Image



Driver's Vision Enhancer (DVE) AN/VAS-5















Mounts

View Through DVE



Thermal Omnibus II Contract Opportunity



Objective: Procurement of Light and Medium Thermal

Weapon Sights (TWS) and Driver's Vision

Enhancers (DVE)

Contract Type: Firm Fixed Price, 3-Year Multi-Year w/ Basic

Quantity and Options in Each Year, 2 Year
Option (Total 5 Years), Ope or More Awards

Option (Total 5 Years), One or More Awards

Estimated Value: **Basic** ~ \$82-92M (qtys: ~ 3500 LTWS, 2000

MTWS, 2500 DVE); Total Options ~ \$200M

Key Milestones: 1QFY03 RFP Release, 2QFY03 Contract

Award, 1QFY04 First Deliveries

Technical Contact: Mr. Daniel Kitts (TWS) 703-704-1292

Mr. Joseph Brooks (DVE) 703-704-1251

Acquisition Contact: Ms. Deborah Gilligan 732-532-5454

Solicitation # or RFQ #: **TBD**



Thermal Omnibus II TWS & DVE









Sense Thru The Wall (STTW) Characteristics



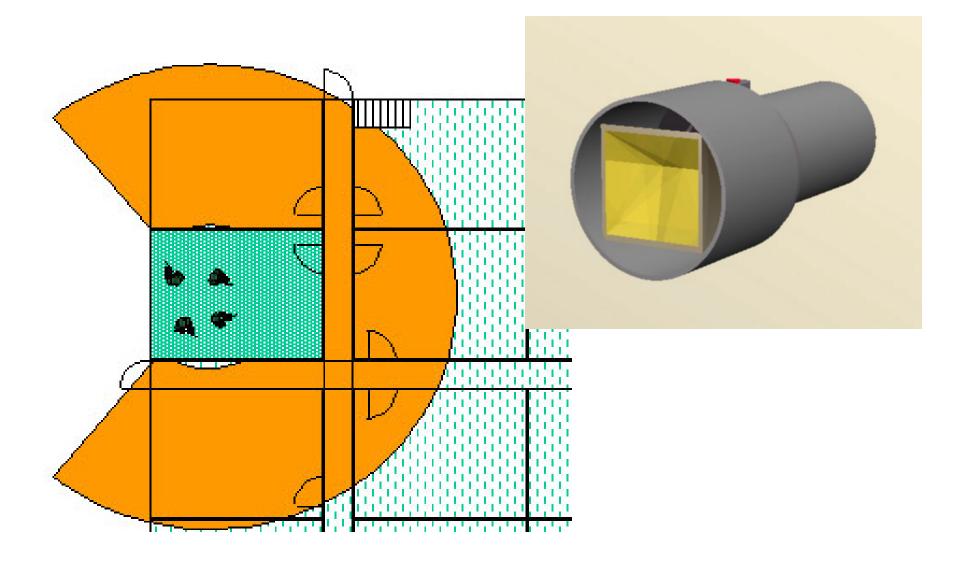
- Lightweight System to Detect Humans on the Opposite Side of Walls
- Operates in Adverse Weather and Dirty Battlefield Conditions
- Performs Close Range Surveillance

- Performance Parameters: TBD
- Operational Requirements Definition Underway at Ft Benning, GA.
- CECOM I2WD Performing Technical Management of the System Development



Sense Thru The Wall (STTW) Scanner







Sense Thru The Wall (STTW) Contract Opportunity

UNCLASSIFIED



Objective: Perform Concept Studies Leading to Milestone B Decision for the First Sense Thru The Wall Infantry System

Contract Type: Broad Area Announcement, One or More

Awards

Estimated Value: **TBD**

Key Milestones: 2QFY03 RFP Release, 2QFY03 Contract

Award

Technical Contact: Mr. Robin Whitworth (703)704-1391

Acquisition Contact: **TBD**

Solicitation # or RFQ #: **TBD**





Project Manager
Night Vision/Reconnaissance,
Surveillance and Target Acquisition
ATTN: SFAE-IEW&S-NV
10221 Burbeck Road
Ft. Belvoir, VA 22060-5806

Comm: 703-704-3447/3450

(DSN: 654)

Website addresshttp://peoiews.monmouth.army.mil/nvrsta



PER EIS Program Executive Officer Enterprise Information Systems

COL Scipio de Kanter

Deputy PEO EIS 703-806-4200

Scipio.deKanter@eis.army.mil



Automatic Identification Technology

AIT II Contract

RFID Contract

2700 Palm Computing ID/2D



Portable Data **Terminal** 7500 1D/2D





ACTIVE HAND-HELD INTERROGATOR













RFID FIXED INTERROGATOR

DOCKING STATION WITH TAG

Universal Peripheral Device











Wireless LAN









TRAINING



SOFTWARE



MAINTENANCE



TECHNICAL SERVICES





Automatic Identification Technology III

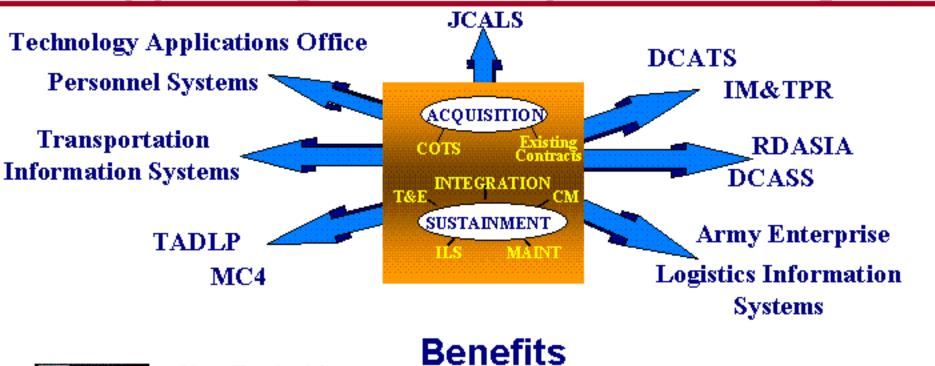
- ■AIT Systems Acquisition, Integration, Support Services
 - → Hardware: Data Collection Devices, Barcode Scanners, Printers, Access Points, Encoders/Readers for Magnetic Stripe Optical Memory Cards, Contact / Memory Devices, Biometrics equipment.
 - Software: AIT Device-related Operating Systems, Commercial and Special Applications, Wireless Communications Support.
 - Systems Support: Warranty, Maintenance, Integration, Training.
- ■Equipment Operations in Tactical & Non-Tactical Environments
- □Supports Asset Management and Total Asset Visibility Efforts
- Provides Batch & Wireless Data Collection Concepts
- ■Worldwide AIT Systems Support



AIT III Contract

- OBJECTIVE: Acquire Commercially Available AIT Hardware, Software, and Support Services for PEO EIS, Army, Air Force, DoD, Marine Corps, Coast Guard, Navy, other Federal Agencies, and foreign military sales.
- •CONTRACT TYPE:
 - -Indefinite Delivery/Indefinite Quantity (IDIQ)
 - -Firm Fixed Price
- ESTIMATED VALUE: \$200-300 Million, over 10 years
- KEY MILESTONES:-RFP Release: 4Q FY 2003
 - -Contract Award: 4Q FY 2004
- TECHNICAL CONTACT: Mr. Stephen Morrow, (703) 806-4116
- ACQUISITION CONTACT: Ms. Gloria McGee, CAC-W, (703) 325-2927

PER EIS PEO EIS Computer Contract Supporting our Enterprise of Programs





Non-Tactical Systems

PC







Laptop



Printers



CAC/PKI

- Latest Proven Technology
- Integrated Solutions
- Performance Based Logistics



Tactical Systems



PEO EIS Computer Contract

- □ Follow-on Contract to our existing PEO EIS STAMIS Tactical Computers Contract (SCC-II), ending in FY 02
- □ Key element of the Army Small Computer Program (ASCP), Information Technology Enterprise Solutions (ITES)



PEO EIS Computer Contract

Strategy:

- → Consolidate our existing SCC-II contract requirements with our ASCP ITES solicitation
- →Provide our PEO EIS program offices with a single Point of Contact for acquisition support for Information Systems hardware and software.
- Includes related services for Information Systems fielding, installation, integration, asset management, and warranty support.

Challenges:

- Army Transformation and Army Enterprise Objectives
- → Web Based Systems (DRID 54)
- Technology Changes
- Security Requirements



PER PEO EIS Computer Contract

- OBJECTIVE: Acquisition of commercially available Information Systems hardware and software solutions to support PEO EIS programs
- CONTRACT TYPE: Indefinite Delivery/Indefinite Quantity (IDIQ) w/supporting competitive task orders issued on Firm Fixed-Price (FFP), Cost Reimbursable, and Time & Material (T&M) basis
- ESTIMATED VALUE: \$500-750 million, over Five Years
- KEY MILESTONES: RFP Release: 3Q FY 2002

Contract Award: 4Q FY 2002

- ☐ TECHNICAL CONTACT: Linda Thomas, 703-806-3032
- ACQUISITION CONTACT: Barbara Trujillo, CAC-W, 703-323-3341

■ SOLICITATION #: DAAB15-02-R-0015



Program Executive Officer Enterprise Information Systems

Additional Information



Additional Information

Army Enterprise Infostructure Transformation (AEIT)

- Supporting the Goals of Army Enterprise.
 - A synchronization of AEIT efforts
 - Implementing Enterprise Management Solutions
 - Implementing Windows 2000/Active Directory
 - Migration to Exchange 2000
 - Conducting Server Consolidation and Network Upgrades
 - Web enabling and PKI enabling of applications
 - Functional Application Consolidation
 - AKO portal maturity efforts
 - Establishing / Supporting users with Service Level Agreements
 - Enterprise level S/W licensing agreements and H/W contracts in place
 - Perform Business Case Analyses
 - Perform implementation and Support Services
 - Ensure AEI solutions that are fielded to the sustaining base and tactical environments conform to the Enterprise Architecture



AEIT

An Ongoing Implementation

- Military District of Washington Implementation and Acquisition Strategy.
 - Windows 2000/Active Directory
 - Server Consolidation
 - Enterprise Management / Help Desk
 - Service Level Agreements
 - 1000 users by July 02; 10,000 users by Nov 02
 - H/W Procurements
 - Business Case Analyses
 - Implementation Contracts
 - Analysis, Design, Integration, Testing



AEIT Way Ahead Strategy

- Regional Approach (Follow NETCOM Regional Approach).
- 25 Installations (or 2 regions approx.) per Year, over multiple years.
- Includes:
 - Baseline Assessments
 - Business Case Analyses
 - On-site design and implementation
 - •Win 2K/AD
 - Server Consolidation
 - Enterprise Management
 - •S/W and H/W life cycle support



AEIT

An Alternate Contract Opportunity

- Acquire Commercially Available Information systems, related Hardware, Software, and Integration, Deployment, Training and Support Services for PM Army Enterprise implementations.
- Use Existing Blanket Purchase Agreements (BPAs), and IDIQ contracts.
- Separate, Multi-Million Dollar Contracts over multiple years.
- Phased implementation and release of RFQs.









PM Signals Warfare Contract Opportunities Christian Keller

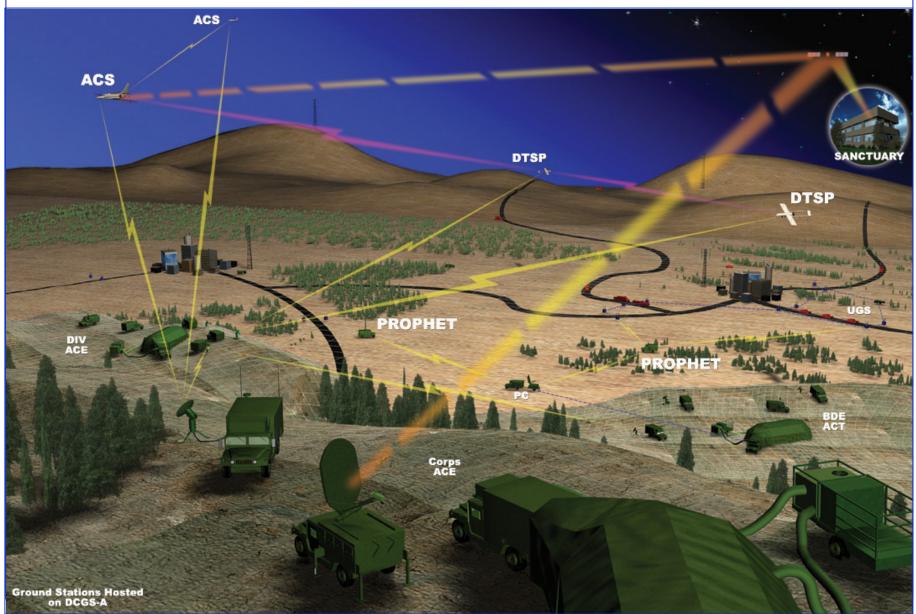
Deputy Project Manager Signals Warfare 732-427-1800

christiankeller@iews.monmoutharmy.mil



Project Manager Signals Warfare







Product Line





GUARDRAIL/Common Sensor (GR/CS)

Supports the Corps and EAC Command With:

- Tactical Intelligence/Signals Exploitation
- COMINT and ELINT Direction Finding and Precision Location
- Near Real Time Reporting
- Interoperable With AFS and National Sensors
- Connectivity to National Databases

<u>Airborne Reconnaissance Low (ARL)</u>

- Full ISR Wartime Capability
- Support OOTW, Counter Narcotic, and Emergency/Natural Disaster Operations
- FLIR, IRLS, DIS, MTI/SAR and COMINT Sensor Suites
- On-Board Operators and NRT Dissemination via LOS and SATCOM

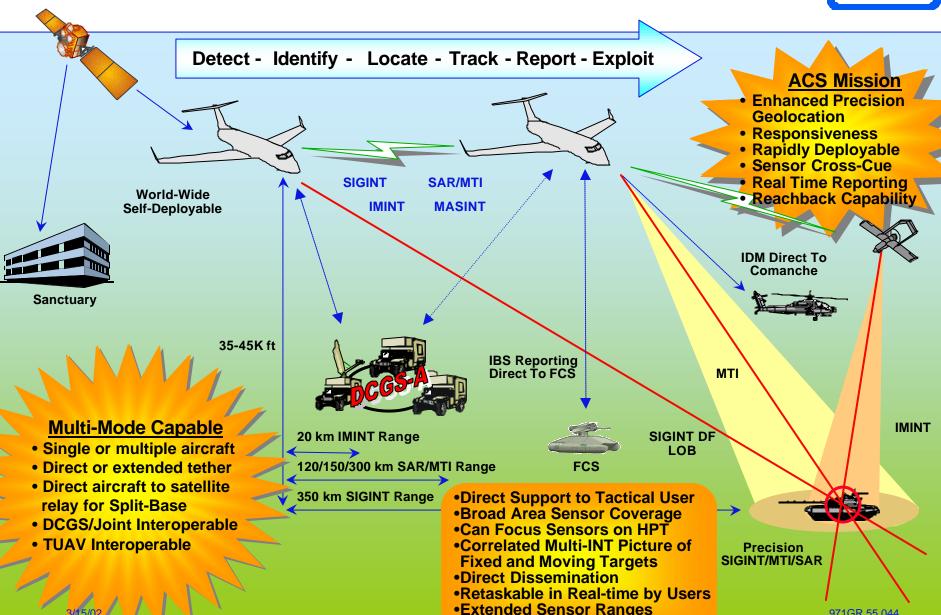
<u>Aerial Common Sensor (ACS)</u> - "The Future"

- Enhanced Precision Location
- Rapidly Deployable
- Increased on Station Time
- Extended Range
- Interoperable With Joint and National Systems
- Multi-INT SIGINT, IMINT, MASINT (With Cross Cueing)
- Broadcast Dissemination
- DCGS-A Ground Station



Operational Concept - Corps/Division Support

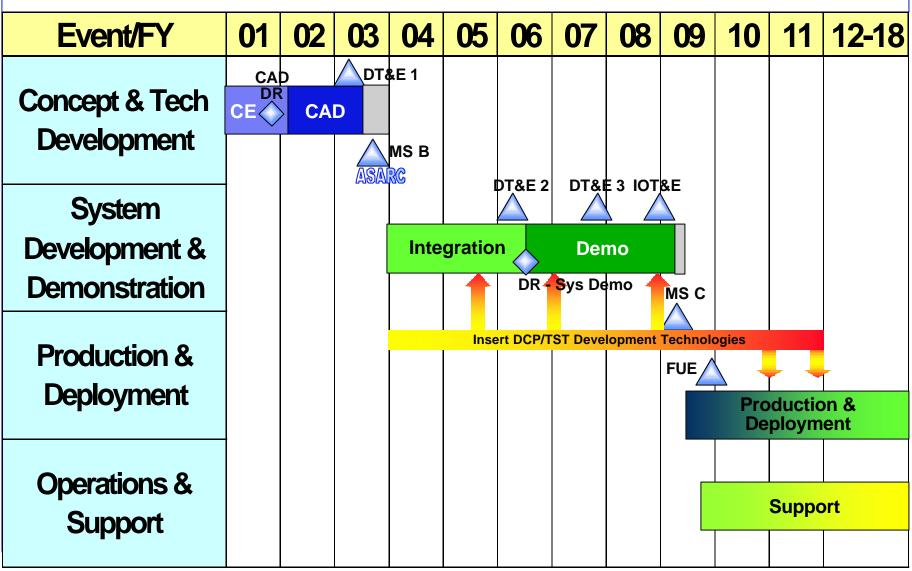








Program Schedule





ACS Contract Opportunities



• Objective: Develop, Produce, and Field the Army's Objective ISR System

• Contract Type: CAD-CPAF, SDD-CPXF, PROD-FP

• Estimated Value: CAD \$35M, SDD TBD, PROD TBD

Solicitation Number: DAAB07-00-LBAA

• Technical Contact: Charles Maraldo

732-427-5453

Acquisition Contact: David Concilio

732-532-5250

Key Milestones:
 4Q FY03 - SDD Award



PM PROPHET





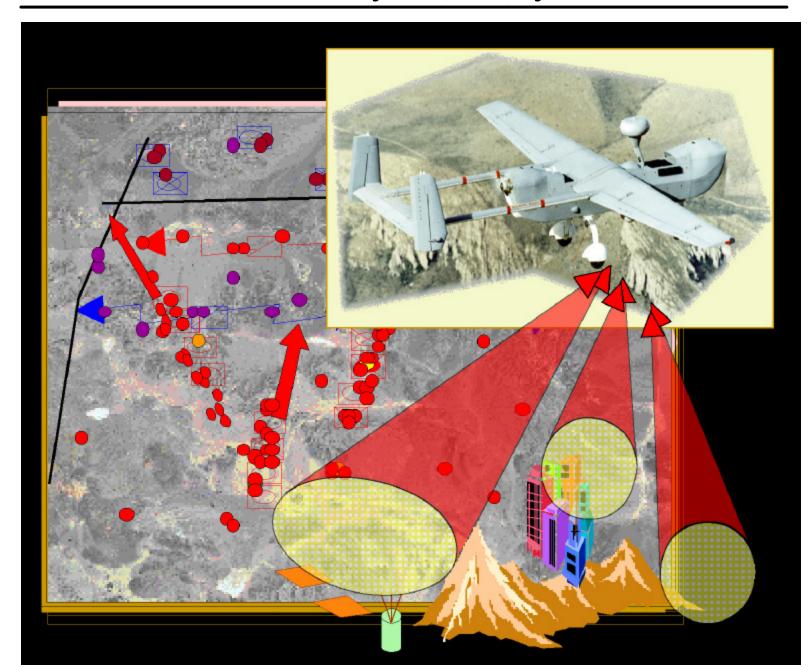
Prophet and DTSP will Comprise the Division's Principal Multi-Sensor Systems. They Give Division Commanders a Comprehensive Near-Real-Time Picture of the Battlespace and Provides the Ability to Detect, Identify, Locate, and Track enemy elements.

Multi-Spectrum Supremacy for the 21st Century



Division Tactical UAV SIGINT Payload (DTSP) System Characteristics





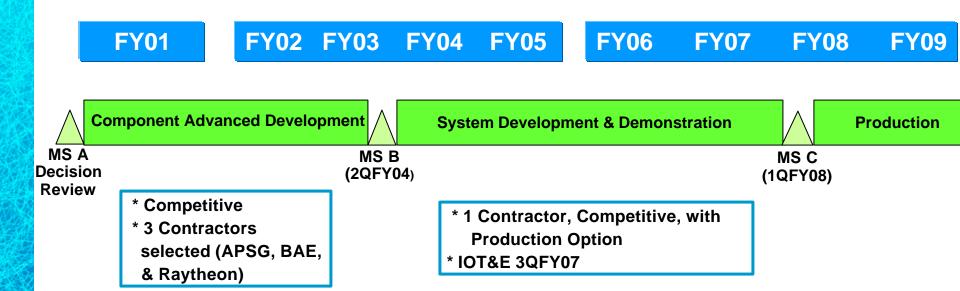




Division Tactical **ŪAV SIĞINT** Payload (DTSP) **Acquisition Strategy & Schedule**











Division Tactical UAV SIGINT Payload (DTSP) Contract Opportunities



 Objective: Develop, Produce, and Field UAV SIGINT Payload for the U.S. Army

Contract Type: CAD-CPFF, SDD-CPXF, Production-FP

• Estimated Value: CAD: \$3.5M With \$2M Option (Flight Test)

SDD: \$30M

Production: \$175M

Solicitation Numbers: DAAB07-01-CL-538, 540, 541

Technical Contact: Mr. Mark O'Neill

732-532-0361

Acquisition Contact: Mr. Andrew Dellomo

732-532-3569

Key Milestones:
 2Q FY04 - SDD Award

GRAM EXECUTIVE CEE

Prophet: Five Block Acquisition Strategy





Radio Direction Finding

- MS III / Mar 01
- Production Contract / Jun 01
- Fielding completed / 1QFY05

Block II

Block

Radio Direction Finding Upgrade

& Signal Jamming

- MS B / 4QFY02
- Full & Open Competition
- DT & IOT&E / 4QFY04
- MS C / 1QFY05
- Modern Signals
- Netting
- NLOS Comms



Block IV

Micro-sensors and Robotics (OBJECTIVE)

- TBD with ORD Update due JUL 02

Multi-functional Sensor Platform

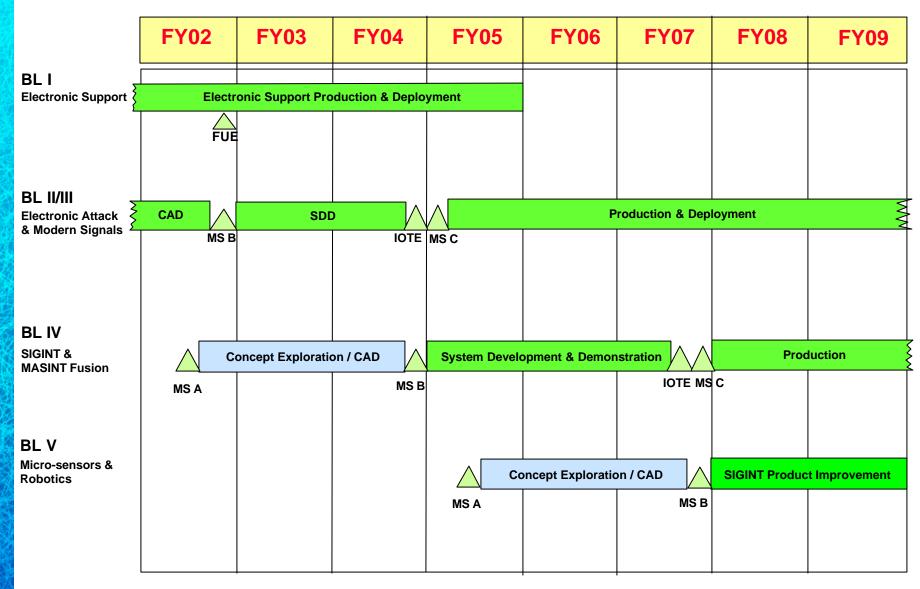
- MS A / 3QFY02
- MBB/4QFY04
- MASINT, Ground Surveillance
- Attended & Unattended
- Fully Integrated
- Improved FA & SIGINT

Block V



Prophet Scheduling







Prophet Block II/III Contract Opportunities



Objective: Develop, Produce, and Field the Army's

Objective Ground Based Tactical

SIGINT System

• Contract Type: SDD-CPIF/PROD-FP

Estimated Value: SDD: \$20M

Production: \$165M

Solicitation Number: DAAB07-02-RL-456

• Technical Contact: Mr. Dan Tartaglia

732-427-1959

Acquisition Contact: Mr. Andrew Dellomo

732-532-3569

Key Milestones:
 1Q FY03 - SDD Award



Provide P

Prophet Block IV Contract Opportunities



Objective: Develop, Produce, and Field a SIGINT/

MASINT System for the U.S. Army

• Contract Type: DEV-CPXF/PROD-FP

• Estimated Value: \$24M/\$41M

Solicitation Number: TBD

• Technical Contact: Mr. Jim Maziarz

732-427-1981

Acquisition Contact: Mr. Andrew Dellomo

732-532-3569

Key Milestones:
 1Q FY05 - SDD Award











PM Signals Warfare Contract Opportunities
Christian Keller

Deputy Project Manager Signals Warfare 732-427-1800

christiankeller@iews.monmoutharmy.mil





Mr. Anthony LaPlaca

Director,
CECOM Logistics and Readiness Center

(732)532-5757

anthony.laplaca@mail1.monmouth.army.mil



Long-Term Contract Definitions



- ☐ Flexible Long Term Contract (FLTC): range quantity contracts of three or more years covering the production and/or repair of one or more spare parts.
- Indefinite Delivery Indefinite Quantity (IDIQ) Contract: a vehicle that provides for an indefinite quantity, within stated limits, of specific supplies or services during a fixed period, with deliveries to be scheduled by placing orders with the contractor. The Government is obligated to a stated minimum. Funds other than the minimum are obligated at the time of subsequent orders.
- □ Requirements Contract: An instrument that provides for filling all purchase requirements of designated Government activities for specific supplies or services during a specified contract period with deliveries to be scheduled by placing orders with the contractor. No money is obligated at award; funds are obligated when delivery orders are written. There is no guaranteed minimum quantity.



FLTCs Projected for FY02-03



- AN/APR-39(V) Radar Warning

 SATCOM Antennas Receiver Spares
- AN/APN-209 Receiver-**Transmitters**
- Fiber Optic Gyro System (FOGS)
- Ultralightweight Camouflage Net System (ULCANS)
- Non-Rechargeable Batteries Next Gen II
 - Large Cell Lithium Manganese Dioxide Group
 - Rectangular Lithium Manganese Dioxide Group

- AS-3916 Antenna and Component
- AS-3900A Antenna and Components
- **SINCGARS** Components
- Loudspeaker for AN/VIC-3
- Headset Electrical for PI CVC



Spares for the AN/APR-39A(V) Radar Warning Receiver







Spares for the AN/APR-39A(V) Radar Warning Receiver



- Provides warning of radar directed air defense threat systems
- □ Upgraded version of the AN/APR-39A(V) system.
- Utilizes a digital processor, alphanumeric display and a synthetic voice to warn pilot
- □ Applicable Aircraft: AH-1F, AH-64A/D, CH-47D, UH-60A/L, UH-60Q (MEDEVAC), MH-60K, OH-58C&D.



Spares for the AN/APR-39A(V) Radar Warning Receiver



- Objective: To recompete the current spares contract (22 NSNs)
- Contract Type: IDIQ, Best Value, 10 years
- Estimated Value: \$1M-\$20M
- Key Milestones: RFP: May 2002

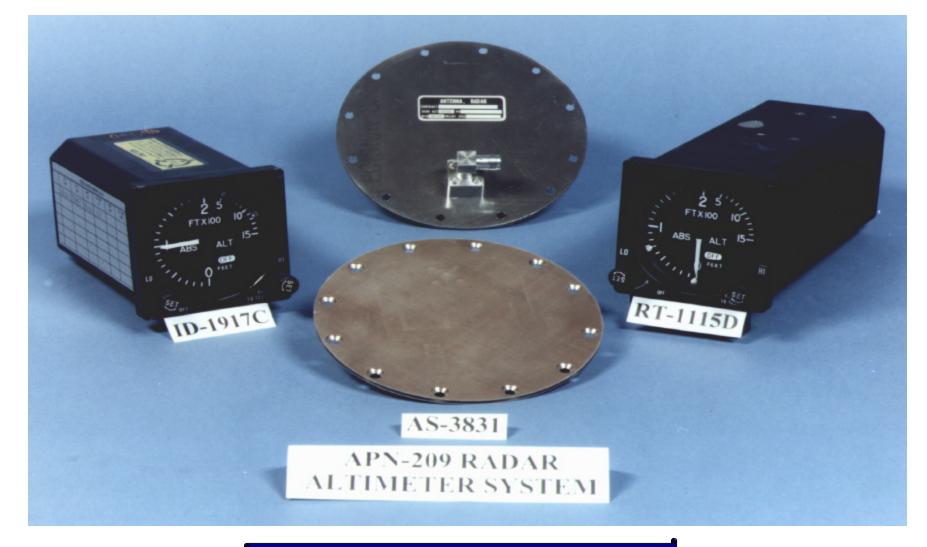
Award: Aug 2002

- ☐ Technical Contact: Samuel Rummel, 732-427-5154
- Acquisition Contact: Kevin Coakley, 732-532-5416
- Solicitation #: DAAB07-02-R-B655



AN/APN-209 Receiver-Transmitters







AN/APN-209 Receiver-Transmitters



- AN/APN-209 consisting of: RT-1115J, 5841-01-421-4162 and RT-1411B, 5841-01-421-4161.
- ☐ The AN/APN-209 (V) is an absolute altimeter that provides an accurate indication of the altitude of an aircraft over all types of terrain.
- Provides safe Nap-of-the Earth flying capabilities for helicopters.
- Voice warnings are provided when the aircraft is above or below certain fixed or pilot adjustable altitudes



AN/APN-209 Receiver-Transmitters



- Objective: To award a Firm Fixed Price contract.
- Contract Type: IDIQ, Best Value, 5 years
- Estimated Value: \$180K-\$3M
- Key Milestones: RFP: May 2002

Award: Nov 2002

- Technical Contact: David Savitsky, 732-532-1627
- □ Acquisition Contact: Kevin Coakley, 732-532-5416
- Solicitation #: DAAB07-02-R-B658



Fiber Optic Gyro System (FOGS)



- Replace current legacy gyroscopes with modern NDI FOGS
- Solid State NDI Solution
- Substantial Operations and Support Cost Reduction
- Single FOGS AHRS replaces one each of the existing Directional, Vertical, and Rate Gyroscope
- Weight and Power Reduction
- Improved Operational Readiness and Mission Reliability



Fiber Optic Gyro System (FOGS)



- Objective: Best Value Production Contract
- Contract Type: IDIQ, 5 years
- Estimated Value: \$1M-\$25M
- ☐ Key Milestones: RFP: May 2002
 - Award: Jul 2002
- ☐ Technical Contact: Wai Louie, 732-532-4863
- Acquisition Contact: Nanette McGinley, 732-532-2024
- Solicitation #: DAAB07-02-R-B412



ULCANS







ULCANS



- □ Five year IDIQ acquisition for production of Woodland as well as Desert General Purpose Radar Scattering (R/S) & Radar Transparent (R/T) Systems and Components.
- □ Technical Insertion clause for future improvements and other variants.
- ULCANS is snag resistant, ultra-light weight, and provides multi-spectral concealment.



ULCANS



- Objective: Competitive follow-on Production contract
- Contract Type: IDIQ, Best Value, 5 years
- Estimated Value: \$50M-\$160M
- Key Milestones: RFP: Aug 2002

Award: Nov 2002

- ☐ Technical Contact: Russ Clingman, 703-704-3809
- Acquisition Contact: Nanette McGinley,732-532-2024
- Solicitation #: DAAB07-02-R-B415



Next Generation II Non-rechargeable Batteries







Next Generation II Non-rechargeable Batteries



- Defined by MIL-PRF-49471B, (30 Nov 2000) with AMEND 1 (Draft), which completely rewrites the safety testing
- □ Five year IDIQ acquisition for entire family of high performance lithium non-rechargeable C-E batteries (Next Gen II)
- 4 phases: 2 solicitations remaining
- Dual awards (60/40 split) planned for each solicitation
- Sixty percent portion of each solicitation limited to domestic sources



Next Gen II – Phase 3 Large Cell Li/Mn02



- Objective: Procure and establish production capacities of cylindrical Li/Mn02 batteries
- Contract Type: IDIQ, Best Value, 5 years
- Estimated Value: \$920K-\$20M
- ☐ Key Milestones: RFP: Sep 2002
 - Award: Dec 2002
- Technical Contact: Marc Gietter, 732-532-6764
- □ Acquisition Contact: John Adamitis, 732-532-3473
- Solicitation #: DAAB07-02-R-A266



Next Gen II – Phase 4 Rectangular Li/MnO2



- Objective: Procure and establish production capacities of rectangular Li/MnO2 batteries
- Contract Type: IDIQ, Best Value, 5 years
- Estimated Value: \$3M-\$80M
- Key Milestones: RFP: Mar 2003

Award: Jun 2003

- Technical Contact: Marc Gietter, 732-532-6764
- Acquisition Contact: John Adamitis, 732-532-3473
- Solicitation #: DAAB07-02-R-A267



SATCOM Antennas





High Gain Antenna



Medium Gain Antenna



Lightweight Antenna

Note: Three SATCOM Antennas (High Gain Antenna, Medium Gain antenna, and Lightweight Antenna) and the Antenna Extensions Parts Kit, which used with Medium Gain Antenna, will be including in this IDIQ contract.



SATCOM Antennas



- □ 3 antennas: High Gain AS-4461, Medium Gain AS-3567, Lightweight AV-2055-3
- ☐ Used with AN/PSC-5, AN/PSC-3, MST-20 and LST-5 radios.
- ☐ Each antenna shall be mounted on a tripod that shall permit azimuth and elevation rotation.
- □ Operate over the frequency range of 244 to 318 MHz, 240-400 MHz, and 240-320 MHz respectively.
- Operate in winds up to 80 mph from any direction.
- □ Total Weight of antennas and their contents, including carrying case, is 49 lbs max, 6 lbs max and 3.1 lbs respectively.



SATCOM Antennas



- Objective: Following-on contract to support all TACSAT Radio in the field.
- Contract Type: IDIQ, Best Value, 5 years
- Estimated Value: \$750K-\$1.5M
- Key Milestones: RFP: Jul 2002

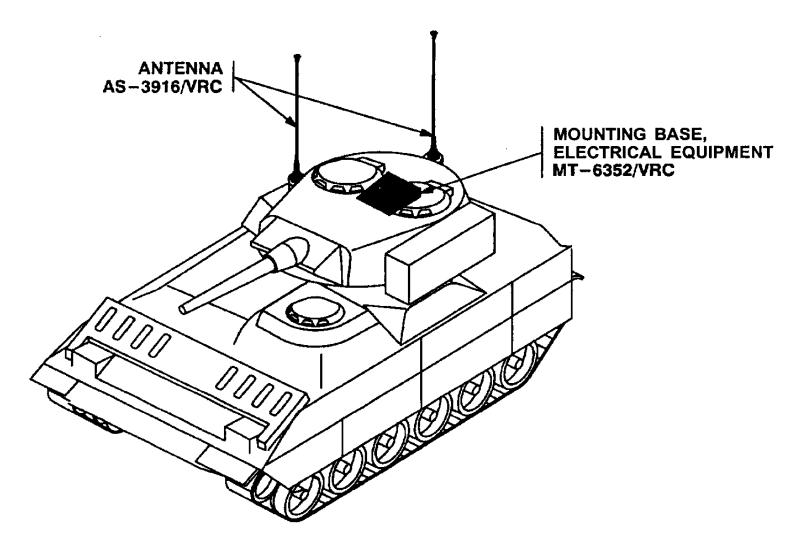
Award: Nov 2002

- ☐ Technical Contact: Stanley Chan, 732-532-1862
- □ Acquisition Contact: Karin Bogner, 732-427-1605
- Solicitation #: DAAB07-02-R-D414



AS-3916 Antenna and Component







AS-3916 Antenna and Component



- Used with the SINCGARS systems and installed in tracked vehicles.
- □ Has 6 ft mono-pole steel whip, attached to a base subassembly.
- Operates over a frequency range of 30-88 MHz.
- Range capability of approximately 17 miles.



AS-3916 Antenna and Component



- Objective: Competitive follow-on Production contract
- Contract Type: IDIQ, Best Value, 5 years
- Estimated Value: \$2M-\$10M
- ☐ Key Milestones: RFP: Sep 2003

Award: Jan 2004

- ☐ Technical Contact: George Meyer, 732-532-9184
- Acquisition Contact: Nicholas Martino,

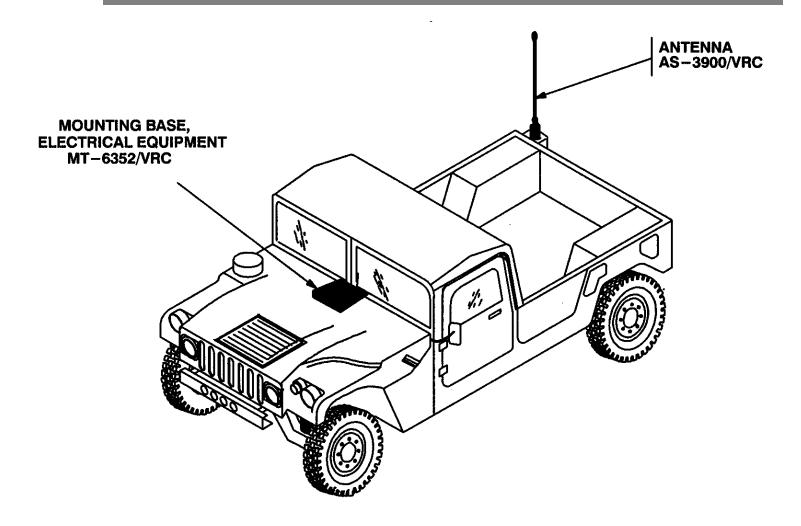
732-532-2877

Solicitation #: TBD



AS-3900A Antenna and Components







AS-3900A Antenna and Components



- AS-3900A Antenna is used with SINCGARS ground radios.
- □ The antenna is a nine foot bi-pole fiberglass whip antenna consisting of an upper and lower element with a base subassembly.
- Used with wheeled vehicles.
- Operates over 30-88- mhz range.
- This antenna has a range capability of approximately 22 miles.



AS-3900A Antenna and Components



- Objective: Competitive Second Source Production Contract
- Contract Type: IDIQ, Best Value, 5 years
- Estimated Value: \$10M-\$15M
- Key Milestones: RFP: Feb 2003

Award: Jun 2003

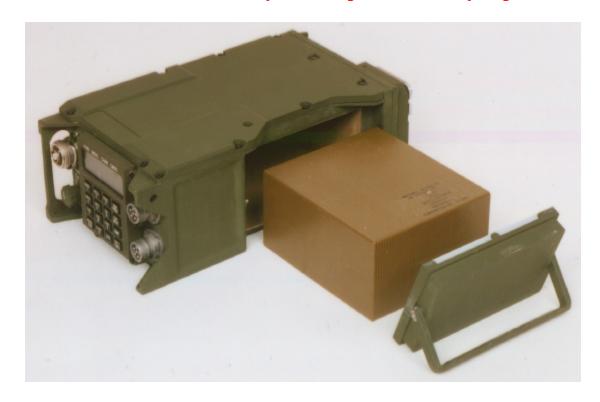
- ☐ Technical Contact: George Meyer, 732-532-9184
- Acquisition Contact: Nicholas Martino, 732-532-2877
- Solicitation #: TBD



SINCGARS Components



ASIP Radio with Battery Cover Open and Battery Exposed





SINCGARS Components



- □ VHF-FM radio system that operates on any or all of the 2,320 frequencies between 30 and 87.975 MHz in 25 kHz increments.
- SINCGARS is capable of processing voice, analog and digital data in either the frequency hopping or single channel mode.
- Embedded COMSEC.
- Surface Mount Technology/.25 micron Integrated Circuit Technology.
- ASIP radio CCAs include Internet Controller (INC) card; provides Internet Protocol (IP) routing between radio nets and other comm systems.



SINCGARS Components



- Objective: Omnibus contract encompassing over 200
 NSNs (Circuit Card Assemblies (CCAs))
- Contract Type:, IDIQ, Best Value, 5 years (1 year base, 4 individual yearly options)
- Estimated Value: \$10M-\$50M
- Key Milestones: RFP: Sep 2002

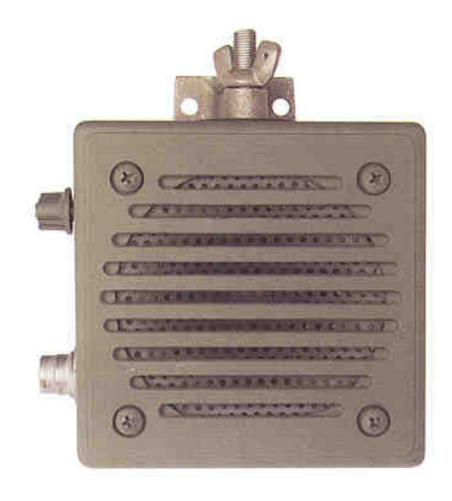
Award: Apr 2003

- Technical Contact: Denis Chan, 732-532-1894
- Acquisition Contact: Donjoean Rucker, 732-427-1651
- Solicitation #: DAAB07-02-R-C205



Loudspeaker for AN/VIC-3







Loudspeaker for AN/VIC-3



- Provides general audio monitoring on the intercommunication system by crewmembers of the US Army combat tactical vehicles without using the headsets
- ☐ Intelligible to crew members up to 50 feet from the vehicle when a 30 foot cable is utilized
- Strictly used with the AN/VIC-3 Vehicular Intercommunication Systems (VIS). It is used in 15 of the various VIS configurations.
- Normally connected to the Master Control Station, but may be connected to the Full Function Crew Station or the Monitor Only Station.



Loudspeaker for AN/VIC-3

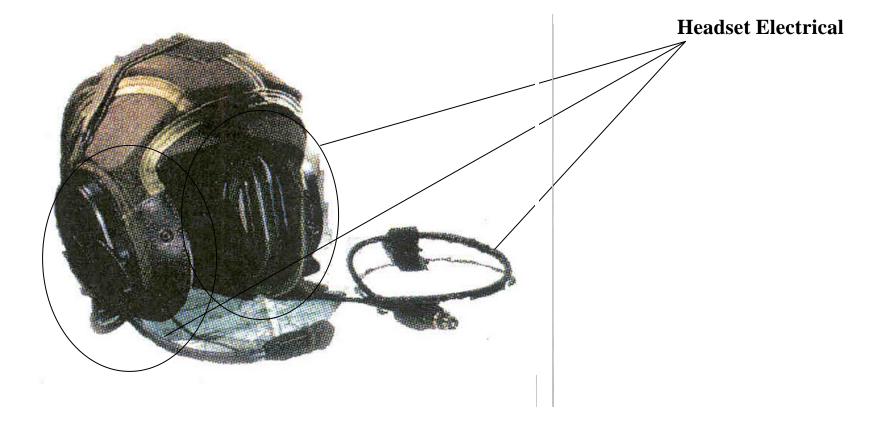


- Objective: Limited to small business
- Contract Type: IDIQ, Best Value, 5 years
- Estimated Value: \$40K-\$3M
- Key Milestones: RFP: May 2002
 - Award: Sep 2002
- Technical Contact: Chit Lee, 732-532-2075
- Acquisition Contact: John Onieal, 732-427-1589
- Solicitation #: DAAB07-02-B-D034



Headset Electrical for PI CVC







Headset Electrical for PI CVC



- Part of the Product Improved Combat Vehicle Crewman (PI CVC) headset used in 16 of the various AN/VIC-3 configurations
- Provides reproduction of audio communication signals from the intercom and attenuation of ambient noise through active and passive means.
- Has a stereo talk through circuit with automatic limiting of ambient noise.
- Battery powered for operation un-tethered from the intercom system. When connected to intercom power, the intercom system shall recharge the battery pack.



Headset Electrical for PI CVC



- Objective: Best Value, Source Selection Plan requirement
- Contract Type: IDIQ, 5 years
- Estimated Value: \$1M \$5.6M
- Key Milestones: RFP: Jun 2002

Award: Sep 2002

- ☐ Technical Contact: Chit Lee, 732-532-2075
- Acquisition Contact: Sharon Wilson-Emmons, 732-532-4964
- Solicitation #: TBD





Research, Development and Engineering Center Contract Opportunities

Presented by: Dr. Louis C. Marquet Director 7 May 02

(732) 427-2686

Email: Louis.Marquet@mail1.monmouth.army.mil



RDEC Mission



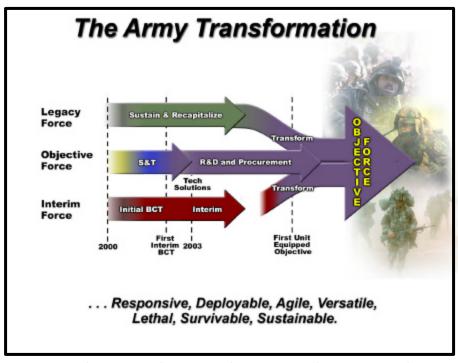
- Identify, develop, evaluate and tailor emerging Information Technologies.
- Facilitate the transition of selected technologies into operational systems.
- Perform and Promote System of Systems Integration.





A View of the Future





- The Warfighter's demand for more and better C4ISR will continue to grow.
- Commercial C4ISR technology will continue to rapidly advance.
- Our adversaries WILL have the latest technologies.





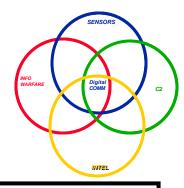
CECOM RDEC Technology Needs





Dr. Louis C. Marquet - Director

Mr. Robert Doto



Night Vision Electronic & Sensors

- Thermal Imaging
- Image Intensification
- Charge Couple Devices
- Image Fusion
- Sensor Fusion
- Advanced Optics
- High Density Processors
- Aided Target Recognition
- Lasers/Laser Radar
- Deception
- Countermine Science & Tech

Space & Terrestrial Communications

- Secure On-The-Move Networking
- Reachback/Range Extension
- Unattended Sensors Networking
- Secure Personal Communications
- Antennas
- Information Assurance
- Networked Fires
- Cross Functional Technologies

Command & Control

- Agile Commander
- Logistics C2
- Dismounted Warrior C2
- Interactive Speech
- Natural Language Processing / Translation
- Visual Displays
- Clock / Oscillator
- Power Sources
- Prototype Development & Platform Integration

Intelligence & Information Warfare

- Collection Systems
- Signal Intelligence
- Direction Finder
- Emitter Intercept
- Electronic Intelligence
- Measurement & Signature Intel
- Electronic Warfare
- Radar Technology & Systems
- Information Operations Attack
- Information Processing, Dissemination & Display
- Modeling and Simulation
- C4ISR Penetration Test & Vulnerability



CECOM RDEC Business Areas Providing Required Capabilities for Warfighters



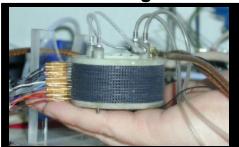
Concoro



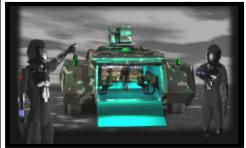
Business Areas

- Survivability
- Own the Night
- Own the Spectrum
 - Know the Enemy
- Planning & Decision Making
- Secure Network Communications
 - Information Assurance
 - Situation Awareness
 - Logistics Visibility
 - Reduced Fratricide
 - C2 Protect/Attack
 - Counter Mine
 - COA Analysis
 - Combat ID
 - Power

Power Management



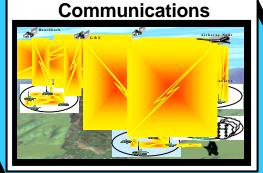
Command & Control



Info Warfare



Totally Integrated
Solutions



C4ISR Capabilities For the Warfighter



CECOM INDEPENDENT RESEARCH & DEVELOPMENT (IR&D) PROGRAM



Objective:

Promote communication with Industry about CECOM plans and activities and technology needs to assist Industry in implementing their IR&D program.

Promotes effective use of IR&D accomplishments

Mechanisms:

Technology Needs Development

Review of Industry IR&D Project Summaries on DTIC Database

Technical Interchange Meetings

One-on-Ones

Feedback

Process





DoD/Industry Interaction

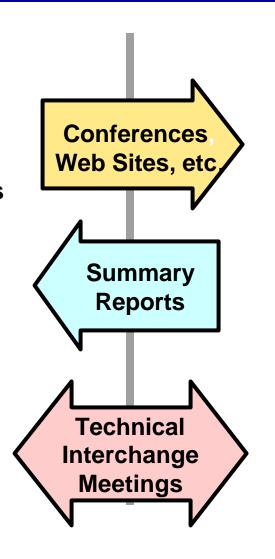


<u>DoD</u>

Provide information on DoD's R&D activities & plans, mission needs, & operational requirements

Review IR&D database to identify IR&D of interest

Review IR&D activities and provide feedback to contractors



<u>Industry</u>

Plan, fund, and conduct IR&D

Provide IR&D Project Descriptions

Provide technical information about IR&D



C4ISR Acquisition Philosophy



Adopt Commercial off the shelf Technology / Products

Adapt Commercial Technology /
Products When It Cannot Be
Directly Inserted

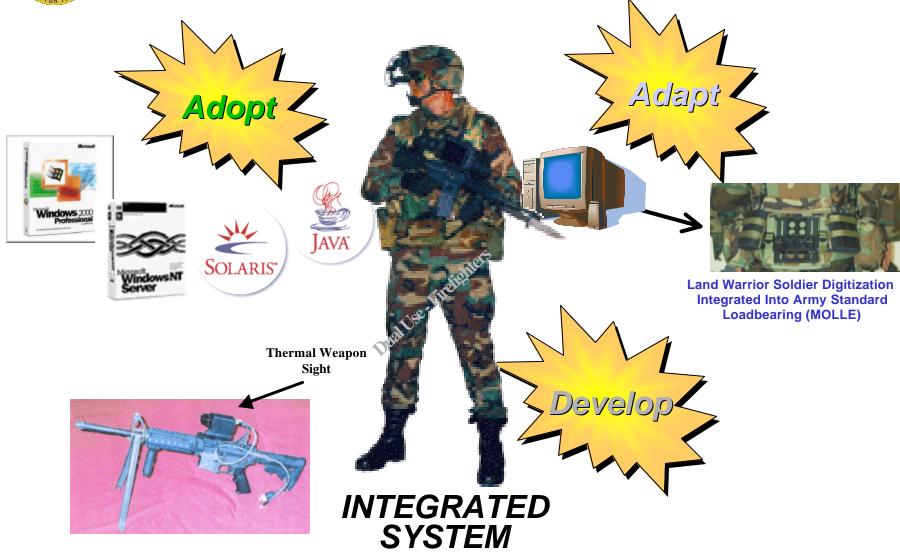
Develop Technology in Concert With Other Services and Agencies for Unique Areas And Partnerships, Alliances, Teaming





C4ISR Development - Adopt, Adapt, Develop for Land Warrior









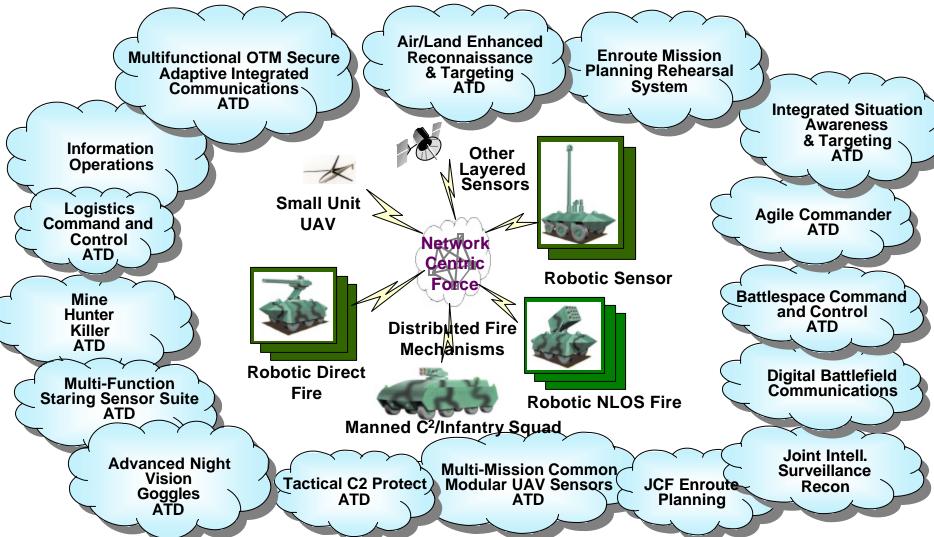
CAISR Technologies

Supporting/Enabling the Future Combat System/ Objective Force

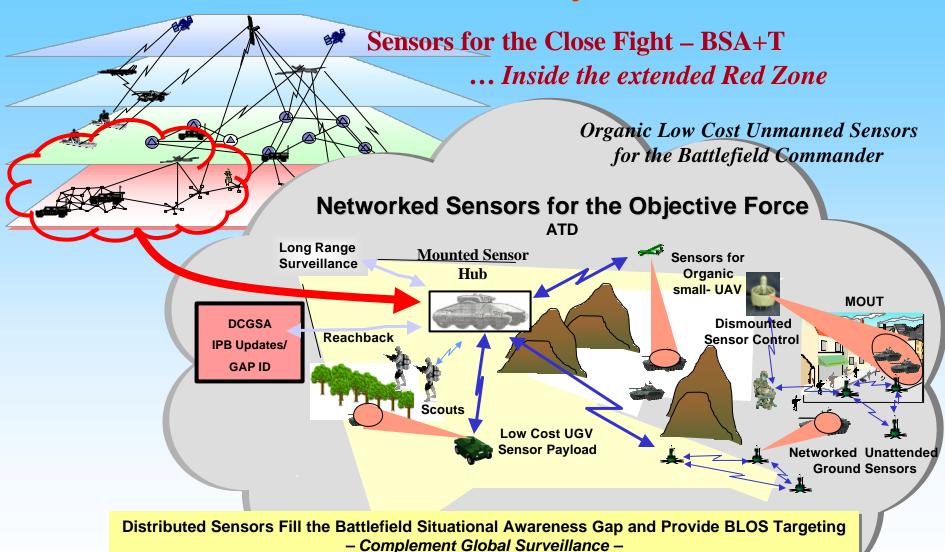


CECOM ATDs and Programs





Networked Sensors for the Objective Force





Migration of Aircraft IR Missile Countermeasures and Laser Warning to Objective Force

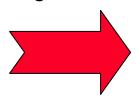




• IR SAM CM

Laser Warning







Leverages

Successful

ATIRCM

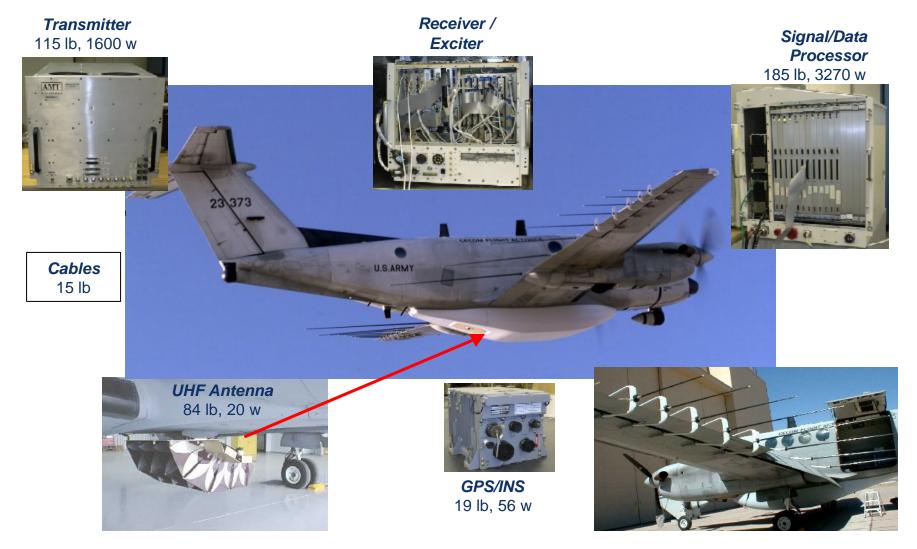
Program

Laser Warning



FOPEN Installed on Army RC-12D







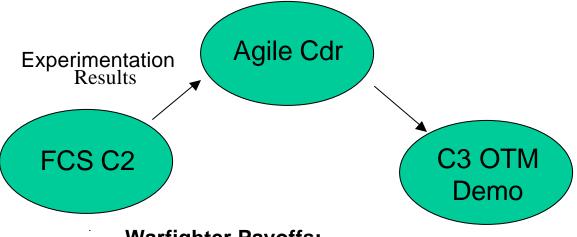
Agile Commander ATD (III.C4.2000.01)



Objective: Demonstrate information technologies enabling execution-centric, mobile command and control; aided by continuous battle planning and event control systems; engage in rapidly deployed, split-based operations

Transformation Payoff:

- Fully Integrated C2 System (Unit Cell & Above)
 - Maneuver
 - Logistics
 - Net Sensors/Fires
- B/W Adaptive Computing
- Technology Partners
 - Log C2 ATD
 - Mosaic ATD
 - DARPA FCS C2



Warfighter Payoffs:

• Mobile, integrated, distributed command-centric, near-real-time, semi-autonomous decision support system

Agile Commander supports the On-the-Move concept

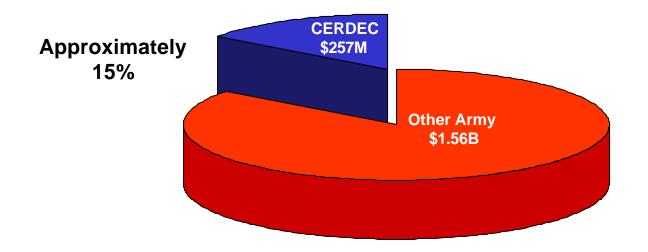


RDEC Tech Base Funding



C4ISR is beginning to be acknowledged as a key FCS/OBJ Force enabler

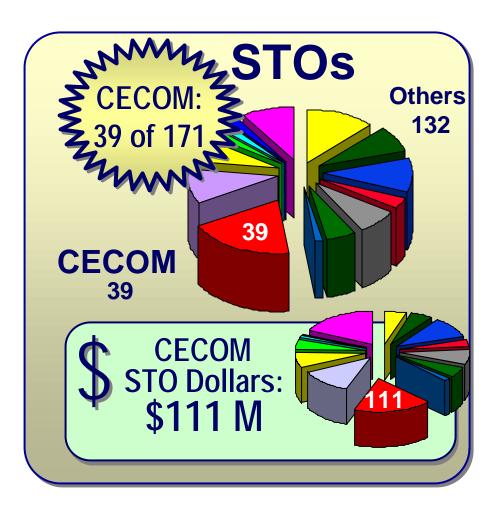
FY-02 ARMY TOTAL 6.2 & 6.3 = \$1.82B

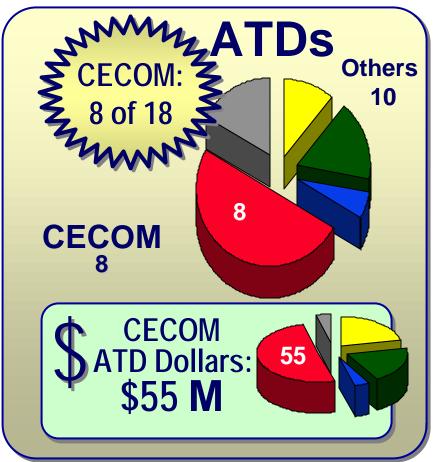




FY02 Defined Army Needs



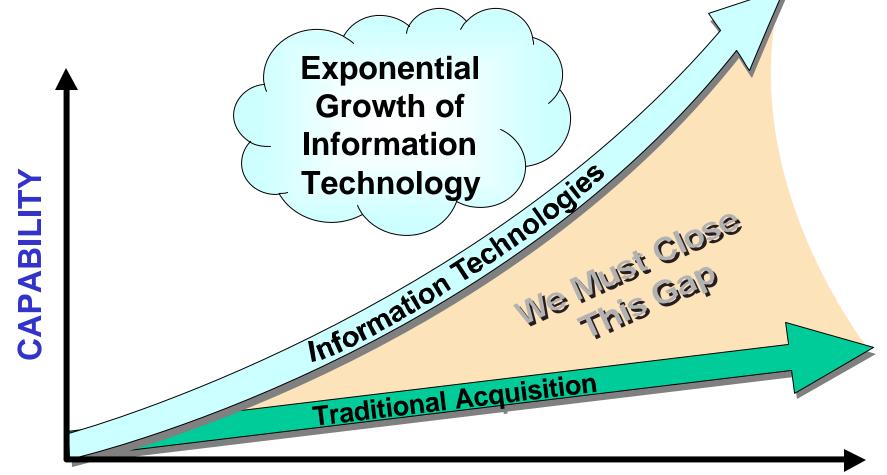






Impact of Information Technology



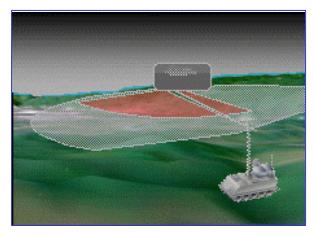


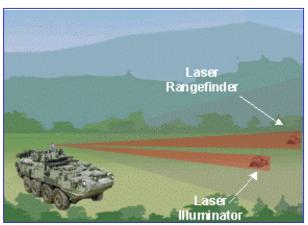
Time



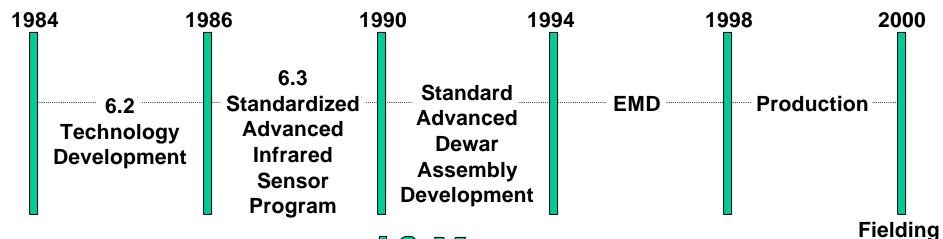
2nd Generation FLIR











16 Years



Recent Examples of Rapid Prototyping



- CECOM has a proven track record of quickly supporting PM & Customer Requirement
- Recent examples include:
 - Brigade Subscriber Node (BSN)
 - Multi Media Comms System
 - Land Warrior
 - Enroute Mission Planning & Rehearsal System (EMPRS)
 - Signals Intelligence (SIGINT) QRC.
 - Trojan Light
 - Measurement & Signature Intelligence (MASINT) Vehicle
 - Maneuver Control Systems (MCS) Light





The Intent of the Office of Homeland Security



"To take *all* the technology assets that we have in Government and elsewhere and use them in such a way, *fuse* the information in such a way, *share the information* in such a way that we can hopefully prevent future terrorist attacks"

Gov Ridge Director Homeland Security

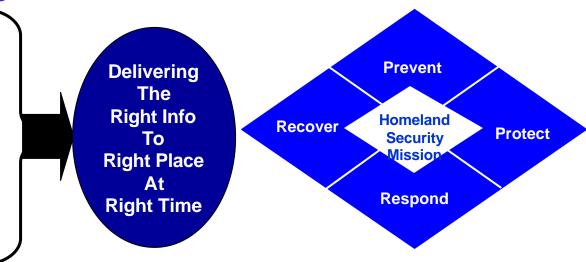


How C4ISR Relates to Homeland Security



CECOM Technology & Products

- Airborne Sensors/Intelligence
- Mobile Command and Control
- Emergency Response
 - Search & Rescue
- Perimeter Security
 - Intrusion Detection/Warning
 - Situational Awareness
- Interoperable C4ISR Systems
- Reachback for Information Accessibility





Homeland Security



Threat Detection	Threat Reduction	Crisis/Consequence Management
Airborne Surveillance	Perimeter Defense	1 st Response Teams
Assist	Provide	Augment

CECOM can Contribute
And
Support the

Interoperability of Federal and State Civil Agencies



STATUS



- Have not been tasked
- Do not have any HLS funding
- Legal issues need to be resolved
 - Military equipment to civilian agencies
 - May require new legislation
- 1st Northeast Region Homeland Security Conference 9 through 13 Sep 02 at Atlantic City, NJ



RDEC Contract Opportunities Up to \$8.7B



- RDEC Wide Opportunities (up to \$8.4B)
 - Small Business Innovation Research
 - Rapid Response II
- Specific Business Areas Opportunities (up to \$326M)
 - Intelligence & Information Warfare Dir. (\$30M)
 - Space & Terrestrial Communications Dir. (\$21M)
 - Command & Control Dir. (\$14M)
 - Night Vision & Electronic Sensors Dir. (\$261M)



Small Business Innovation Research



FY02 Program - 50 Topics website: http://www.acq.osd.mil/sadbu/sbir

Advanced Material & Manufacturing

Microelectronics & Photonics

Sensors & Information Processing 28

High Performance Computing & Simulation

Power & Directed Energy

Chem-Bio

Engineering Sciences

Phase II
R&D 2 Years
NTE \$750,000
Phase II Plus
1 Year - \$100,000
Matching

Phase I
Feasibility Study
6 Months
NTE \$100,000





Small Business Innovation Research FY2002 Phase II Program



- 30 Topics published in the DoD 01.2 Program Solicitation
- 245 Phase I Proposals were submitted against topics
- 46 Phase I Proposals were selected for award 18% of all proposals submitted
- 26 Phase II Proposals were awarded this year 57% of all Phase I proposals awarded
- Since inception in 1996, CECOM has won 5 of 6 annual Phase II Quality Awards



Phase III Success Story Virtual Breaker Box Custom Manufacturing and Engineering, Inc.





Impact:

- •1 Unit delivered, 8 units ordered, \$32K in revenue, potential for 1000's to be used across DoD
- Two patents in process
- •\$2.25M in DoD research funding
- •\$35K in non-DoD research funding
- Through the use of "smart" circuits and outlets
 - Delivers advanced energy management
 - Control for shelters and vehicles
- Applications
 - FCS
 - Multi-functional, low-power systems in Land Warrior
 - Unattended ground sensor networks

- Commercial applications
 - Yachts
 - RVs
 - Industrial buildings



Small Business Innovation Research (SBIR) Program Opportunities



- OBJECTIVE: To stimulate technological innovation, strengthen role of small business in DoD R&D needs, foster & encourage participation by minority/disadvantaged persons, increase commercial application of DoD supported research in R&D results.
- CONTRACT TYPE: Firm Fixed Price (FFP)
- ESTIMATED VALUE: Up to \$5.3M
- KEY MILESTONES: (Phase I)
 - Pre-Solicitation 1 May 02
 - Solicitation Opens 1 Jul 02
 - Solicitation Closes 14 Aug 02
 - Contract Award13 Dec 02
- PROGRAM CONTACT: Suzanne Weeks, (732) 427-3275
- ACQUISITION CONTACT: Rick Kolarsick, (732) 532-4246





RAPID RESPONSE II



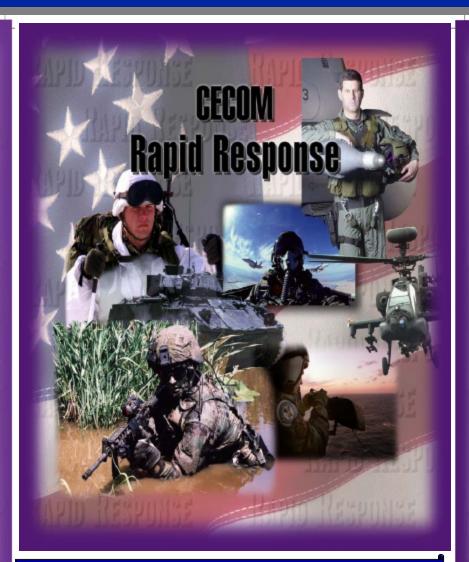


R2 STATEMENT OF WORK AND CAPABILITIES

- Broad Scope to Support All Platforms
- Technology Insertion
- · Systems Integration
- Fabrication and Prototyping
- Testing
- Certification
- Studies and Analyses
- Technical Data Management
- · Systems Installation
- Logistics Support Service
- Training
- · Acquisition Support

CUSTOMERS

- US ARMY
- US AIR FORCE
- US NAVY
- US MARINE CORPS
- US COAST GUARD
- NASA
- Defense Logistics Agency
- FMS
- State Department
- Available to All Federal Agencies



CECOM Bottom Line: THE WARFIGHTER



R2 STREAMLINED ACQUISITION SOLUTIONS

- 19 Day Competitive Award Process
- Step-By-Step Technical/Contract/ Budget Assistance
- Three Multiple Award Task Order
 Contracts
- Flexible Time and Materials and Firm-Fixed-Price Orders
- Negotiated Labor Rates for Prime and Subcontractors
- · Wide-Ranging Labor Categories
- Low 1% Management Fee

R2 EXPERIENCED DEDICATED STAFF

- Engineers
- Acquisition Professionals
- Computer Scientists
- Legal Representatives
- Small Business Specialists
- Budget Analysts
- Security Advisor



RAPID RESPONSE II



- Recompete teams for Rapid Response to Critical Systems Requirements Contracts (R2CSR).
- Current 3 contracts expire in 07/03.
- Customers require greater period of performance.
- Awarded over 514 delivery orders for varied federal customers since 07/98.
- Value of Awards to Date:
 - Total: ~ \$1.45 Billion
 - Small Business: ~ \$370 Million



RAPID RESPONSE II



- OBJECTIVE: Provide federal platform managers with a rapid means for acquiring integration, modification, testing, maintenance, logistics, etc. support.
- CONTRACT TYPE: Performance-Based Indefinite Delivery/Indefinite
 Quantity (ID/IQ) Time & Materials (T&M) /
 Firm Fixed Price (FFP).
- ESTIMATED VALUE: \$2.8B Max Per Contract (\$8.4B est. total)

(8 Years Including Options)

Potential for up to 7 contracts

KEY MILESTONES:

Release RFP 3Q FY02

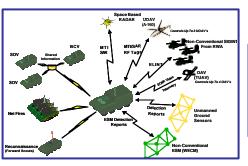
Multiple Awards 4Q FY02

- TECHNICAL CONTACT: Stanley Tylecki (732) 427-4348
- ACQUISITION CONTACT: Sylvia Mielke (732) 427-1519
- SOLICITATION NO: DAAB07-02-R-G401



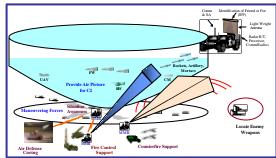
Intelligence & Information Warfare Dir. **Key Programs**













FOPEN

Info Ops

Multi-Mission Radar



MASINT

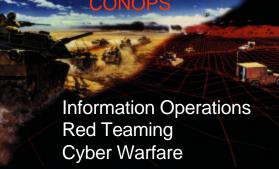
ACS





INTEL

CONOPS



LCMR



SAR/MTI



MYSTIC



Future Capability



Electronic Combat

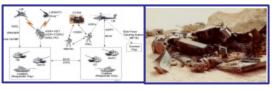
Area Protection



Platform Protection



Combat Identification





I2WD BAA - 11 Research Interest Topics



- Collect Collection Systems -- General
- Collect Signals Intelligence (SIGINT)
- Collect Direction Finding (DF) Development and Enhancements
- Collect Emitter Intercept Techniques
- Collect Electronic Intelligence (ELINT)
- Collect Measurement & Signature Intelligence (MASINT)
- Electronic Warfare (EW)
- Information Operations (IO) -- Attack
- Information Processing, Dissemination and Display
- Modeling and Simulation
- Command and Control Protect and C4-ISR Penetration Testing and Vulnerability Analyses





- Topic title: Collect Collection Systems -- General
 - Requirements
 - Technology forecast through 2010
 - Objectives
 - Revolutionary ISR capabilities required
- Topic title: Collect Signals Intelligence (SIGINT)
 - Future signals environment
 - Geographical considerations
 - Sensor requirements





- Topic title: Collect Direction Finding (DF)
 Development and Enhancements
 - Super-resolution DF algorithms
 - Antenna array design
 - System calibration and electromagnetic modeling
 - RF interference
 - Critical component development
 - Real-time signal processing in embedded computers
 - Wide-band / LPI signal exploitation techniques
 - Issues peculiar to HFDF





- Topic Title: Collect Emitter Intercept Techniques
 - Advanced receivers and receiving techniques
 - TTPs for automated intercept, processing and exploitation of Low Probability of Intercept (LPI), Low Probability of Exploitation (LPE) signals
 - Methods and techniques for improving the intercept range (distance) of ground based and low-flying intercept systems
 - Improvements in man-machine interfaces for tactical intercept systems
 - Recognition, demodulation, and decoding of digital data





- Topic Title: Collect Electronic Intelligence (ELINT)
 - Sub-topic #1 6U VME ELINT Digital IF Receivers,
 Algorithms and Processors
 - Sub-topic #2 Digital Broadband Cross-Ambiguity-Function Processor for ELINT Geologation
- Topic title: Collect Measurement and Signature Intelligence (MASINT)
 - Sub-topic #1 Combat Identification
 - Sub-topic #2 Moving Target Indicator (MTI) / Synthetic Aperture RADAR (SAR)
 - Sub-topic #3 System of Systems Integration of Delivery, Processing and Dissemination Systems





- Topic title: Electronic Warfare (EW)
 - Sub-topic #1 -- Communications Electronic Attack
 - Sub-topic #2 -- Infrared Countermeasures (IRCM)
 - Sub-topic #3 -- Multi-Spectral EO / IR / UV Sensors for Warning / Countermeasure
 - Sub-topic #4 -- Self Protection / Avionics Technology
 - Sub-topic #5 -- RADAR Countermeasures, Warning and Deception
 - Sub-topic #6 -- Advanced RADAR Countermeasures
 - Sub-topic #7 -- Electronic Deception & Advanced
 Signature Management





- Topic title: Information Operations (IO) -- Attack
 - C4-ISR Exploitation and Attack (Counter C4-ISR)
 Requirements:
 - Sub-topic #1: Real Time, Stealthy, Logical Network Access, Discovery, Exploitation and Countermeasures – non-cooperative
 - Sub-topic #2: Real Time, Stealthy, RF Access, Communications and Non-Communications Network Discovery, Exploitation and Countermeasures – non-cooperative
 - Sub-topic #3: Real Time, Stealthy, Active Protection and Defense of U.S. Army Tactical Information Networks; Exploitation and Countermeasures – cooperative





- Topic title: Information Processing, Dissemination and Display
 - Sub-topic #1 Information Processing and Fusion
 - Sub-topic #2 Multi-Sensor Fusion Automatic Target Recognition (ATR)
- Topic title: Modeling and Simulation (M&S) Initiatives
 - Electronic Warfare Systems Modeling and Simulation
 - Communications Intelligence System Simulation Collection Used for Opposing Wireless Communications Systems
 - IEW / IO Mission Planner





- Topic title: Command and Control Protect and C4-ISR Penetration Testing and Vulnerability Analyses
 - Vulnerabilities of U.S. C2 or C4-ISR systems or their components shall be classified SECRET.
 - Vulnerability assessments, penetration testing, exploitation, countermeasure development, or the development of tactics, techniques and procedures, having a focus that is Threat / adversary-based, shall not be undertaken under this topic.
 - No classified materials, software, tools, tactics, techniques or procedures shall be developed under this topic.
 - Classified tools for Information Operations shall be developed under the IO Attack topic and sub-topics of this BAA.
 - Contractors working under this topic shall <u>not</u> have access to classified tools.



I2WD BAA 2000



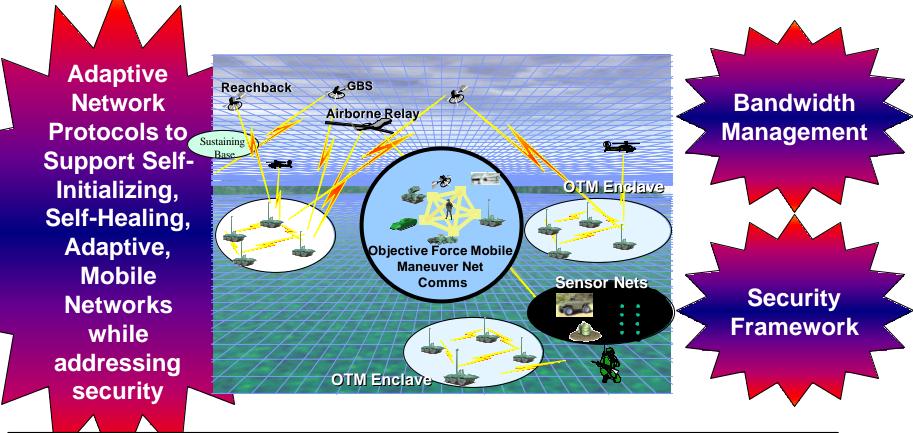
- OBJECTIVE: Open solicitation wherein special consideration shall be given to R&D proposals that exhibit revolutionary and innovative solutions that satisfy Army requirements in the areas of Information Superiority and Information Dominance based upon available funding.
- CONTRACT TYPE: Cost Plus Fixed Fee (CPFF)
- ESTIMATED VALUE: Total Awards \$25M-\$30M

Individual Awards \$500K - \$20M

- KEY MILESTONES: Various annual awards (FY03-FY05)
 Open proposal submission accepted at anytime throughout life of BAA
- TECHNICAL CONTACT: Mary Wills, (732) 427-7206
- ACQUISITION CONTACT: Mary Paterno-Mihalko, (732) 532-3992
- SOLICITATION # : DAAB07-00-R-K501







Communications Support for Increased Operational Flexibility

CECOM Bottom Line: THE WARFIGHTER





- Major Focus Areas:
 - Bandwidth Management
 - Adaptive Network Protocols
 - Integration of Commercial and DoD developed wireless technologies
- Challenge:
 - Provide assured, wireless, network that works in diverse, complex terrain





Barriers:

- Days to preplan & configure network
- Limited bandwidth for assured network access, services, & speed of delivery
- Complex, dynamic, network management
- Continuous coverage

Solutions:

- Minutes to configure network via self-organizing Ad Hoc protocols
- Efficient bandwidth utilization via adaptive algorithms
- Simplified automated network opns using intelligent distributed agents
- Horizontal and vertical network handoff (including UAV Comms payload)

CECOM Bottom Line: THE WARFIGHTER





- OBJECTIVE: To provide mobile communications and networking technologies to support the Objective Force/Future Combat Systems and Battle Command infrastructure mobility
- CONTRACT TYPE: Combination of Other Transactions, Cost Plus Fixed Fee, (BAA)
- ESTIMATED VALUE: \$3 5M over 2 years
- KEY MILESTONES:

BAA Released: 3QFY00

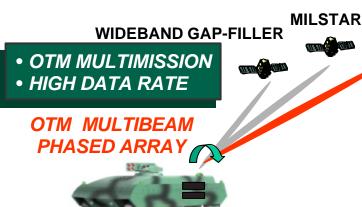
Multiple Awards 1QFY03 & 2QFY04
 (Suggested proposal submission NLT Aug 02 and Nov 03 respectively)

Final Demonstration FY04

- TECHNICAL CONTACT: Gary Blohm, (732) 427-4277
- ACQUISITION CONTACT: Frederick Kolarsick, (732) 532-4346
- SOLICITATION NO: DAAB07-00-R-L575







GLOBAL BROADCAST
SATELLITE

NEAR FIELD ANTENNNA / PLATFORM MODELING



• REDUCED ANTENNA PATTERN DISTORTION

BODY BORNE / LOW PROFILE ANTENNAS



- REDUCED VISUAL SIGNATURE
- ENHANCED SURVIVABILITY / HORIZONTAL TECH INTEGRATION

• JTRS INTEGRATION

RECEIVE AND TRANSMIT ARRAYS

JOINT TACTICAL RADIO
SYSTEM OTM MULTIBAND
ANTENNA

JTRS

Wideband Phased Array

Multiplexer

- •REDUCED COSITE
- •GREATER GAIN

RECONFIGURABLE
VHF & MULTIBAND
BAND SWITCHED

F1
F2
F3

RADIO RF

RADIO CONTROL

• REDUCED LOGISTICS

CECOM Bottom Line: THE WARFIGHTER





Major Focus Areas:

- Multiband, Multibeam phased-array antennas
- Re-configurable band-switched antennas
- Multiband antennas for ground and airborne JTRS radio applications
- Body borne & low-profile antennas for soldier and Vehicular platforms
- Modeling and Simulation to validate antenna design efforts

Challenge:

 Develop antenna products that provide mobility, robustness, interference rejection and form factors required for Objective Force Communications





Barriers:

- Reducing antenna size while maintaining bandwidth
- Improving G/T to achieve higher data rates
- Maintaining uniform antenna VSWR and gain across band
- Reducing interference

Solutions:

- Apply thin film ferroelectric and MEMS technologies
- Develop slow wave spiral antenna technologies
- Develop reconfigurable band switching technologies





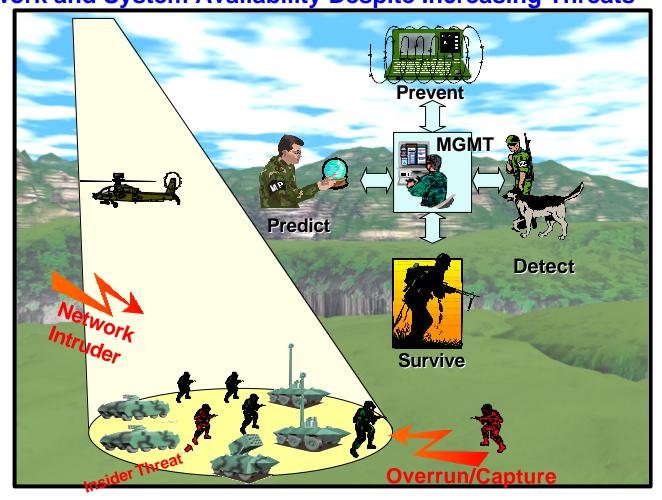
- OBJECTIVE: To develop a family of OTM, high gain, low profile antennas and subordinate products covering the 30 MHz to 44 GHz frequency range
- CONTRACT TYPE: Combination of Other Transactions, Cost Plus Fixed Fee, Firm Fixed Price, (BAA)
- ESTIMATED VALUE: \$8 \$13M, 5 year effort
- KEY MILESTONES:
 - BAA Released 3QFY00
 - Multiple Awards 2QFY03, 2QFY04
 - (Suggested proposal submission NLT Nov 02 and Nov 03 respectively)
 - Prototype Delivery 2QFY03, 2QFY04, 2QFY05, 4QFY06
- TECHNICAL CONTACT: Steve Goodall (732) 532-0445
- ACQUISITION CONTACT: Virginia Knight (732) 532-4348
- SOLICITATION NO: DAAB07-00-R-L575



Tactical Information Assurance Technology



Objective: Adapt and Develop Critical Information Assurance Component to Insure Network and System Availability Despite Increasing Threats





Tactical Information Assurance Technology



- Major Focus Areas:
 - Advanced Network Access Control
 - Wireless Intrusion Detection
 - Synchronized Security Management
 - Tactical Public Key Infrastructure
 - Mobile Code Authentication
- Challenge:
 - Inability to protect the Wireless Tactical Networks of the Future Combat Systems and the Objective Force from increasingly sophisticated, organized nation state threats



Tactical Information Assurance Technology



Barriers:

- COTS/GOTS products and developments not compatible with Wireless Tactical Networks
- Information Assurance solutions do not exist for Tactical Wireless
- Lack of integrated Automated Security Management Tools
- Ad Hoc Network complicates authentication

Solutions:

- Smart Adaptation of commercial and Government based tools
- Adopt, Adapt and Develop advanced tactical software protection tools and techniques



Tactical Information Assurance Technology



- OBJECTIVE: To advance the state of the art in wireless tactical protect tools and architecture concepts to enhance the security of the Objective Force
- CONTRACT TYPE: Combination of Other Transactions, Cost Plus Fixed Fee (BAA)
- ESTIMATED VALUE: \$1-3M, FY03-07
- KEY MILESTONES:

BAA Released 3QFY00

Call for White Papers
 3QFY02 (22 May)

White Papers Due 3QFY02 (28 June)

BAA Proposals 4QFY02

Multiple BAA Awards 1QFY03

- TECHNICAL CONTACT: Robert Schenk (732) 427-2069
- ACQUISITION CONTACT: Frederick Kolarsick (732) 532-4346
- SOLICITATION NO: DAAB07-00-R-L575



Agile Commander Advanced Technology Demonstration



Execution-Centric Decision Support





Agile Commander Advanced Technology Demonstration



Goals

- Simplify and reduce the time required to plan operations
- Ensure that relevant information is available to warfighters in a timely and common-sense manner
- Create or mature C2 systems to aid the commander and his staff to conduct operations on-the-move

Program Characteristics

- Split-based, distributed battle command that sustains mobile, synchronized and coordinated operations from dispersed locations
- Collaboration, visualization, and semi-automated Course of Action (COA) tools
- Knowledge management and data warehousing
- Software intelligent agents for execution monitoring
- Integration of maneuver and logistics planning

CECOM Bottom Line: THE WARFIGHTER



Agile Commander Advanced Technology Demonstration



- OBJECTIVE: Technical Research & Development support to the Agile Commander ATD in the areas of:
 - Course of Action (COA) / Continuous Planning
 - Intelligent Agents
 - Interactive Information Visualization
 - Knowledge Management and Warehousing
 - Modeling & Simulation
 - Adaptive Applications
- CONTRACT TYPE: Anticipate cost-plus-fixed-fee (offers may propose alternate contract types), BAA
- ESTIMATED VALUE: Individual awards from \$25K to \$3M
 Total Estimated Value \$14M
- KEY MILESTONES: Solicitation Published: 8 Aug 00

Proposal Deadline for FY02 Award: 15 May 02 Solicitation Closes: 30 Sep 03

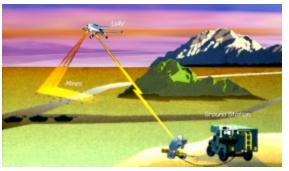
- TECHNICAL CONTACT: Varies by topic area; identified in the BAA
- ACQUISITION CONTACT: Mr. Andrew Dellomo (732) 532-3569
- SOLICITATION #: DAAB07-00-R-L613



High Tech Omnibus Contract Night Vision & Electronic Sensors Dir. (NVESD)







Lightweight Airborne Multispectral

Minefield Detection

Microfactory

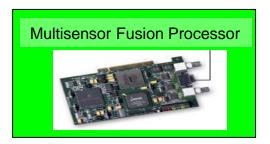
Mine Detection

Fabrication and Testing



Paint the Night Simulations

Modeling and Simulation





Sensor Development

CECOM Bottom Line: THE WARFIGHTER



High Tech Omnibus Contract Night Vision & Electronic Sensors Dir. (NVESD)



- To provide technical, non-personal services for one year with four option years
- Includes R&D for night vision, electronic sensors, and mine detection and systems
- Requires scientists, engineers, computer specialists and other technical experts
- Supports design, fabrication, lab and field testing, and modeling and simulation
- Requires on-site management at Ft. Belvoir, VA



High Tech Omnibus Contract Night Vision & Electronic Sensors Dir. (NVESD)



- The two High Tech Omnibus Contractors may compete with each other for numerous task orders as needs arise.
- Funding levels achieved for each contractor depend on NVESD needs, funding available, and on number of winning task order bids.
- Contract includes materials purchases, management of subcontractors, and execution of R&D tasks both on-site at Ft. Belvoir, VA, and offsite to complete specific task orders.
- Requires clearances for all on-site personnel and off-site technical employees.



High Tech Omnibus Contract NVESD



- OBJECTIVE: Services contract for sensor technologies and prototypes
- CONTRACT TYPE: Indefinite del/indefinite quantity, time & materials
- ESTIMATED VALUE: Dual award of \$15-\$25M each with 4 option years at \$15-\$25M per year (total \$250M)
- KEY MILESTONES: Solicitation 4QFY02
 Award 1QFY03
- TECHNICAL CONTACT: Susie McDowell 703-704-1252
- ACQUISITION CONTACT: Rick Forsberg 732-532-3547
- SOLICITATION # or RFQ #: TBD

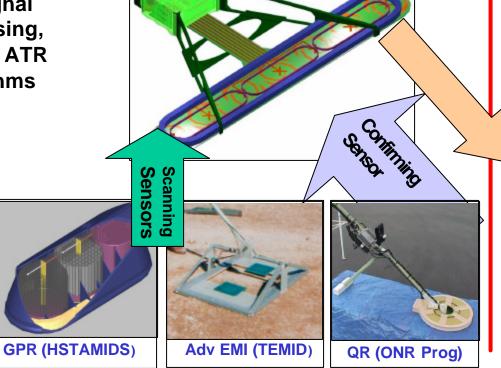


Autonomous Mine Detection Sensors

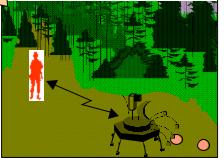




Adv Signal Processing, Fusion, ATR Algorithms



Phase 2: Robotic Platform Integration, ATR Implementation, Test and Evaluation, FY04-07



CECOM Bottom Line: THE WARFIGHTER



Autonomous Mine Detection Sensors



- Develop and demonstrate mine detection sensors and software for autonomous cueing of targets
- May include various types of sensors (Groundpenetrating radar, infrared, acoustics, magnetic, chemical, quadrupole resonance, etc)
- Configurable for robotic standoff applications
- Major investment in aided target recognition algorithms for autonomous detection of antipersonal mines



Autonomous Mine Detection Sensors



- OBJECTIVE: Develop and demonstrate mine detection sensors suite for autonomous platform
- CONTRACT TYPE: Cost Plus Fixed Fee
- ESTIMATED VALUE: \$9-11M total for multiple contracts
- KEY MILESTONES: 3QFY02 BAA for white papers & demo

1QFY03 solicitation

2QFY03 award

FY04 deliver prototype & downselect

FY07 demonstration

- TECHNICAL CONTACT: Tom Becker 703-704-1255
- ACQUISITION CONTACT: Rick Forsberg 732-532-3547
- SOLICITATION # or RFQ#: TBD



SUBJECT MATTER EXPERTS



MANAGERS AVAILABLE AT CECOM EXHIBITS

- SMALL BUSINESS INNOVATION RESEARCH (SBIR)
 Suzanne Weeks, 732 427-3275
 Email Suzanne.Weeks@mail1.monmouth.army.mil
- INDEPENDENT RESEARCH & DEVELOPMENT (IR&D)
 Barbara Hartley, 732 532-0353
 Email Barbara.Hartley@mail1.monmouth.army.mil
- COOPERATIVE R&D AGREEMENTS (CRDAs)
 Randolph Jackson, 732 532-0364
 Email Randolph.Jackson2@mail1.monmouth.army.mil

CECOM Bottom Line: THE WARFIGHTER



WEBSITES



- Broad Area Announcement (BAA):
 http://abop.monmouth.army.mil/
 Go to New User Registration to enroll to view solicitations, etc.
- Small Business Innovation Research (SBIR)Program:
 <u>http://www.acq.osd.mil/sadbu/sbir</u> (Phase I Solicitation)

 <u>http://www.aro.army.mil/arowash/rt/</u> (Phase II Plus)
- Independent Research & Development (IR&D)Program: <u>http://www.dtic.mil/ird/</u>

Ground Combat Command and Control Family of Systems / ABCS SE&I



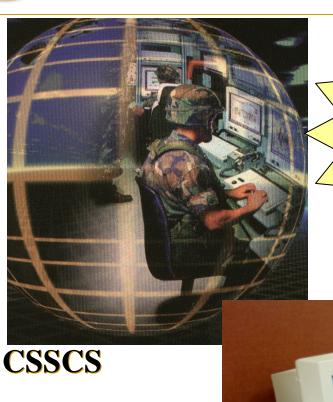
Mr. Randall Matura
Chief, Business Management Division
PM Ground Combat Command and Control
(732) 427-3303

Randall.Matura@c3smail.monmouth.army.mil



Ground Combat C2 Family of Systems





Common SW Infrastructure Products

GCCS-A



MCS



Versatile Computer Unit (VCU)



Notebook Computer Unit (NCU)



Ground Combat C2 Family of Systems Objective



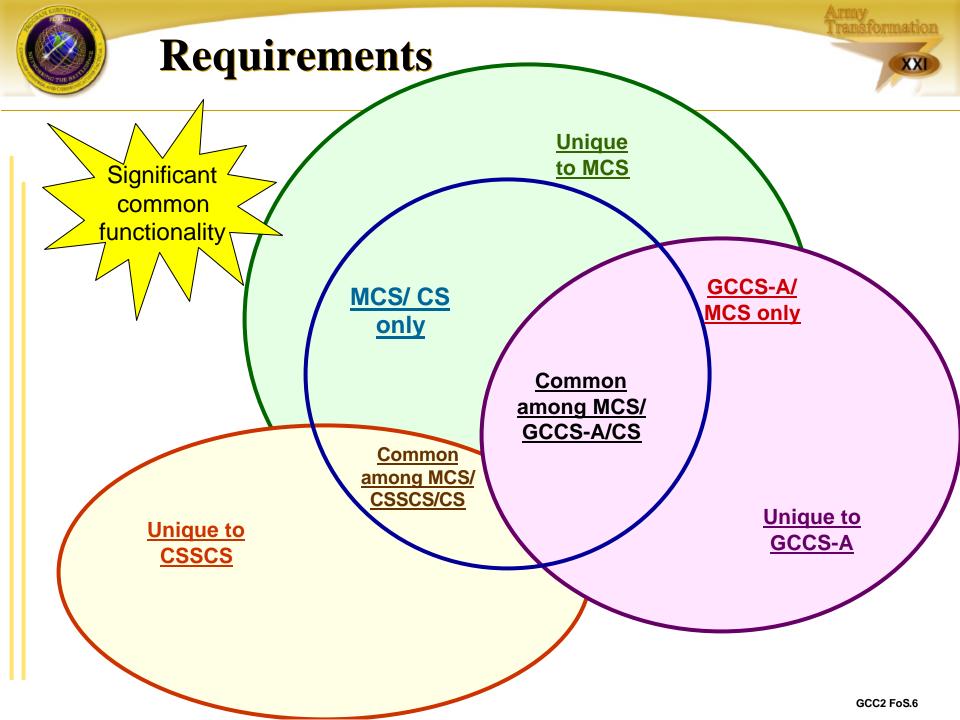
- □ Path for evolution of Common Software (CS), Combat Service Support Control System (CSSCS), Global Command and Control System - Army (GCCS-A) and Maneuver Control System (MCS) programs beyond ABCS 7.0
 - → Single contract implementation of four separate programs to take advantage of similar/common requirements and evolve the software for releases beyond ABCS 7.0; Includes SW development, SW support, fielding support & training support
 - → Programs themselves will <u>not</u> be combined; CSSCS, GCCS-A and MCS will remain unique fielded systems



Ground Combat C2 Family of Systems Objective (continued)



- □ Contract will include top level ABCS System of Systems (SoS) architecture design and engineering; software development; software support for existing and new versions; fielding & training support
 - → Does not include hardware development / acquisition





Major (Significant) Work Elements



- System of Systems Engineering & Integration (SSE&I)
 - → Top level system of systems architecture and design for ABCS
 - → Baseline is ABCS 7.0 C4ISR documentation
- Common (Exportable) Infrastructure
 - → Common infrastructure products exported to BASs and integrated with BAS unique applications to become the BAS system
- Common GC C2 Applications
 - →Applications that are common to CSSCS, GCCS-A and MCS



Major (Significant) Work Elements (continued)



- Unique GC C2 Applications
 - →SW which is integrated with the common infrastructure and common applications to provide the systems:
 - CSSCS
 - GCCS-A
 - MCS
- Support of Legacy (ABCS 7.0) Systems
 - →SW maintenance
 - → Fielding support
 - → Training



Ground Combat C2 Family of Systems Current Contracts



l	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
GCCS-A										
	FY95	Award		4					May 04	
MCS										
									Sep 04	
CCCCC										
CSSCS	FY91	Award	•							Sep 05
cs									Mar 04	



Award



Extension



Follow on Contract



Follow on Options (Annual)



Contractor Responsibilities

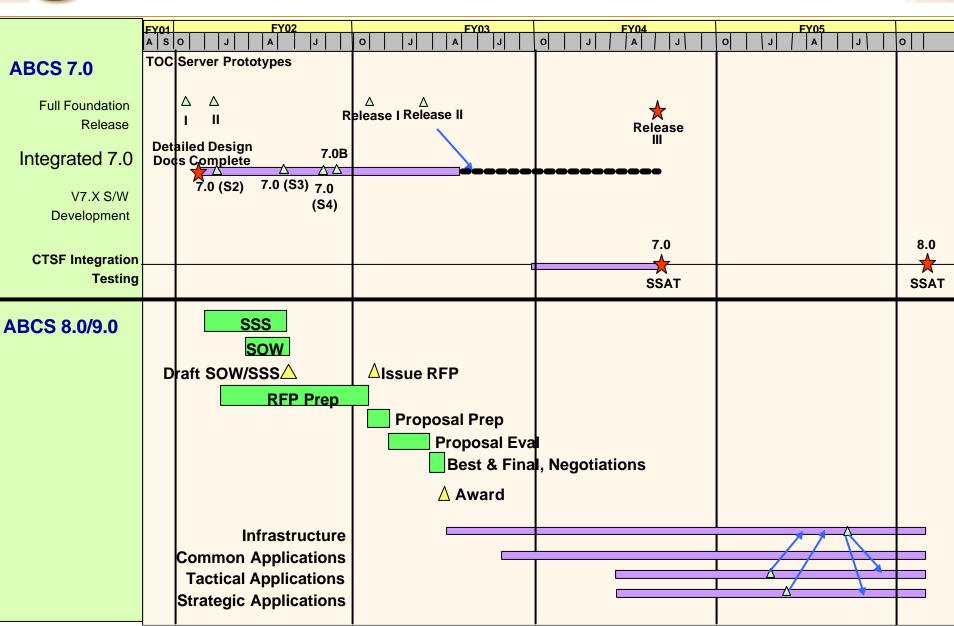


		FY02	FY03	FY04	FY05
l l	MCS	Development Fielding and Support SW Maintenance			
Paradigm	GCCS-A	Development Fielding and Support SW Maintenance			
 Par	csscs	Development Fielding and Support SW Maintenance	-		
<u> </u>	cs	Development SW Maintenance			
	SSE&I	Development			
digm	Combined Contract			Program Engi	SSE&I neering & Development
New Paradigm	(SSE&I, MCS, GCCS-A, CSSCS, CS)				ng & Maintenance (MCS) Maintenance (GCCS-A)
					aintenance (CSSCS)
			Other	SW Mair	tenance (Foundation)
			BFAs	Maintena	ance Support - Legacy



Top Level Schedule







Ground Combat Command and Control Family of Systems / ABCS SE&I

- OBJECTIVE: Single contract implementation of four separate programs to take advantage of similar/common requirements and evolve the software for releases beyond ABCS 7.0; Includes SW development, SW support, fielding support & training support
- CONTRACT TYPE: TBD
- ESTIMATED VALUE: \$150M \$250M
- KEY MILESTONES (Draft Milestones):
 - → Draft SOW and Spec Released: May 02
 - → Final RFP Released: Nov 02
 - → Award: Apr 03

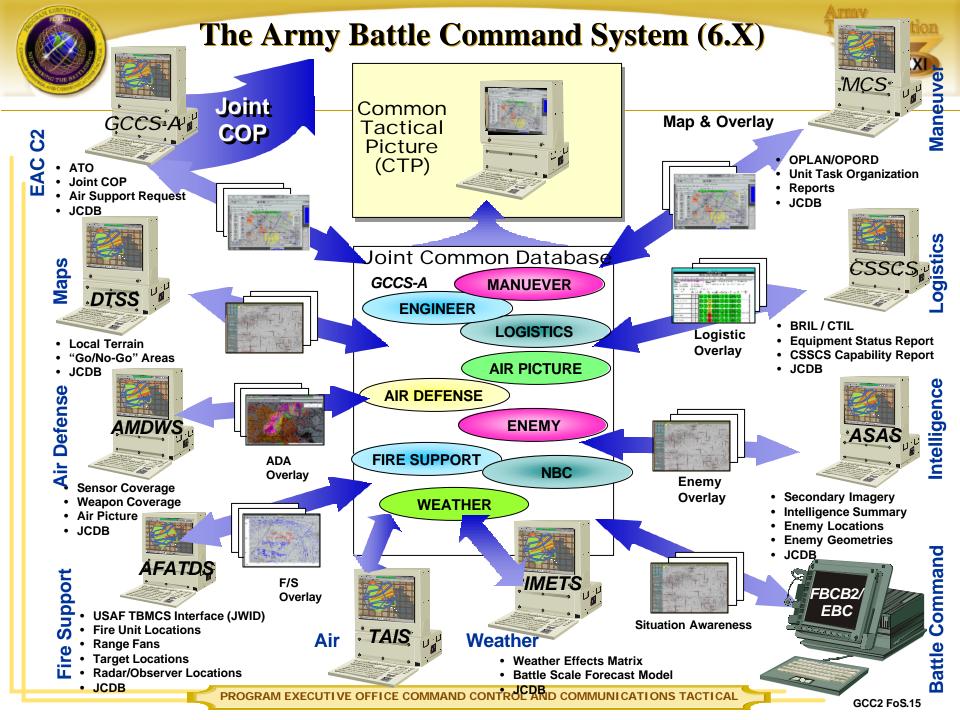
Ground Combat Command and Control Family of Systems / ABCS SE&I

- □ TECHNICAL CONTACT: Linda Johnston, Tech Management Division, PM GCC2, 732-427-6499
- ACQUISITION CONTACT: Marcia Easton, CECOM Acquisition Center, 732-532-2385
- SOLICITATION #: DAAB07-02-R-E802



BACKUP







ABCS System of Systems Engineering & Integration (SSE&I)



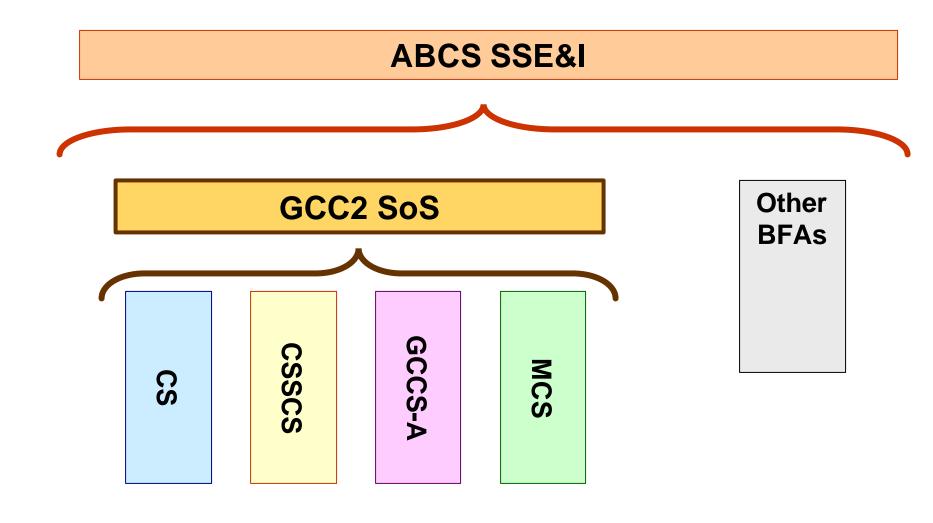
Mission:

 Develop top level system of systems architecture and design for the ABCS Battlefield Automation Systems (BASs).



System of Systems







Common Software

Mission:

 Develop/acquire/integrate/test/manage, for DoD, several key areas within the Defense Information Infrastructure Common Operating Environment (DII COE) which will provide improved interoperability and software reuse for the services. PM Common Software serves as the Army's DII COE Chief Engineer.
 Provides technical support to the Army and Joint Systems in migration to DII COE infrastructure.

Characteristics/Description

- Client/Server
- Open Architecture
- Four Layer Software Model
- COTS Based

Special Features

None

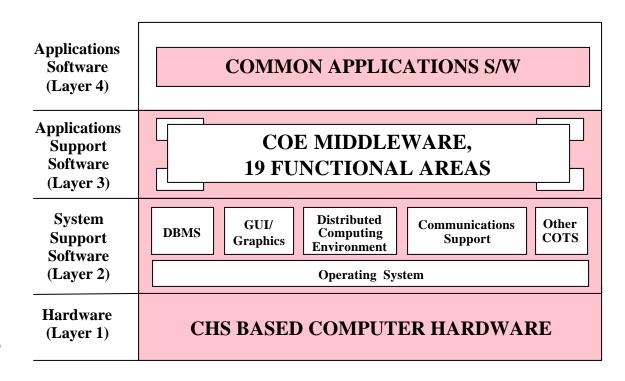
Capability/Improvements

- Data Access
- Latest Software Technology
- Common Message Parsing
- Communications
- Alerts
- Network Management
- Foundation Products/Integration

Common Operating Environment

PEO C3T CONCEPTUAL ARCHITECTURE

- The architecture facilitates maintainability, portability, interoperability and reusability
- Common architecture provides the interface to COTS software
 - Promotes product independence
 - Protects the application programs from COTS changes
 - Enhances application portability





Global Command & Control System - Army (GCCS-A)



MISSION:

- Provide critical automated C2 tools for Army Strategic and theater commanders to enhance warfighter capabilities throughout the spectrum of conflict during joint and combined operations in support of the National Command Authority
- Provide interface between Joint and Combined Forces (Joint GCCS) with Tactical Army Battle Command Systems (ABCS)

CHARACTERISTICS/DESCRIPTION:

- Army's strategic and theater C2 system
- Strategic system provides readiness reporting and mobilization and deployment of active, guard, and reserve forces
- Theater system provides Common Operational Picture (COP) and associated information as well as intra-theater planning and movement

CAPABILITY/IMPROVEMENTS:

- Current applications include friendly and enemy unit status; interoperability with Joint and other Service Systems
- Interoperability with ABCS being developed
- Future applications will include improved Strategic/Theater Logistics, Engineer, Medical, Personnel, NBC, Provost Marshal (among others)
- Will maintain compatibility with COE and JTA updates

SPECIAL FEATURES:

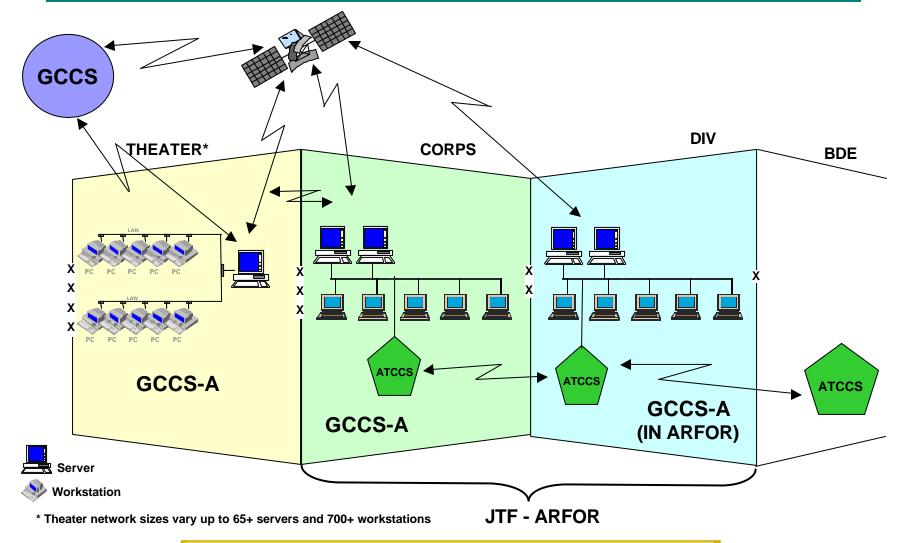
- Consolidation of AWIS, STACCS and TACCIMS C2 Systems, including Common Worldwide Theater Baseline
- Army implementation of Joint GCCS, COE and JTA Compliant
- Nearly all hardware is COTS
- Significant software reuse
- Operates at Secret/High over DISA SIPRNET



GCCS-A Overview

XXI

Providing Link between Tactical Battlefield and Strategic & Theater Commanders





Combat Service Support Control System



(CSSCS)

Mission:

- Provide the Combat Service Support (CSS) component of the Army Battle Command System (ABCS)
- Provide the Battle Commanders and CSS Commanders and staffs a Logistic Command and Control decision support tool to practice focused logistics and achieve the transformation objective force

Characteristics/Description

- Operates within ABCS architecture
- Collects, stores, analyzes and disseminates critical logistics, medical, transportation and personnel information
- Computer software system designed to assist CDRS and their staffs in planning and executing logistics operations

Special Features

- Provides CSS C2 for transformation through:
 - Common Hardware/Software
 - Reuse Software
 - System unique capabilities and functionality
 - Housed in a variety of Standard Integrated Command Post System (SICPS) Shelters
 - Technology insertion VIA LOG C2 ATD

Capability/Improvements

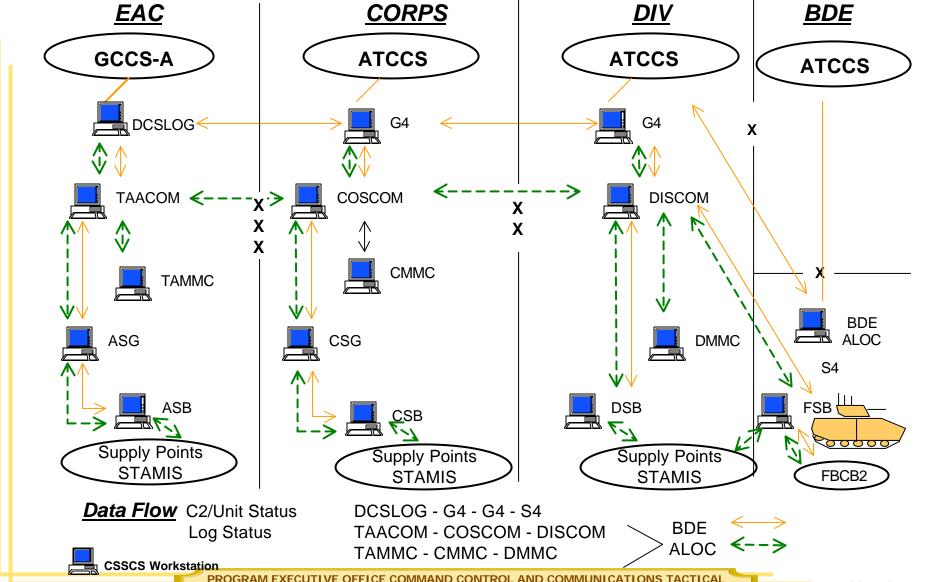
- Version 3 Initial Operational Capability
- Version 4 Enhanced CSS and First Digitized Division (FDD) Functionality
 - Initial transportation, medical, and personnel functionality
- Version 5 Objective tactical functionality; Joint and Combined Operations; First Digitized Corps (FDC) Functionality



CSSCS Overview









Maneuver Control System (MCS)



Mission:

• Provide corps through battalion force level commanders and staffs the ability to swiftly collect, coordinate and act on near real time battlefield information and to graphically visualize the digitized battlefield.

Characteristics/Description

- Maneuver Battlefield Functional Area (BFA) in Army Tactical Command and Control System
- Provides Commander with Common Picture of the Battlefield
- Uses Common Hardware/Software-2 Hardware

Capability/Improvements

- Commanders' Computer
- Staff Planning
- OPLAN/OPORD
- Resource Management
- Collaborative Planning

Special Features

- Digitization of Battle Command
- Uses Defense Information Infrastructure Common Operating Environment
- Evolution with Future ABCS Capabilities (e.g., ABCS 7.0, 8.0, etc.)



MCS Overview

Transformation

S2/S3 PLANS

FSE

BSS

M998

AVN CE

ENGR

S3 OPS

XXI

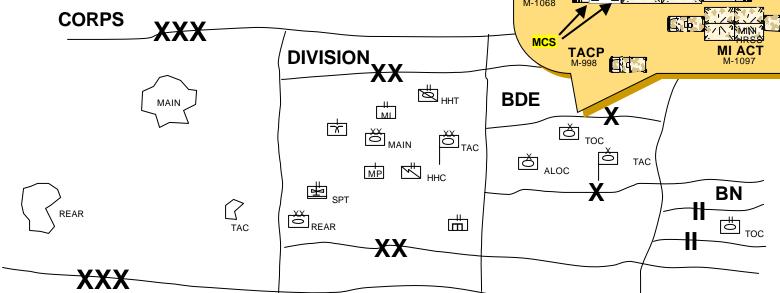
MCS

What:
Common Hardware
DII COE Common Software
MCS Application Modules

Ultra/Sparc Pentium Class (Servers) Laptops

Where:

<u>ALL</u> Armor, Infantry, Aviation, Engineer, Chemical, Military Police, Intelligence, Signal, and Special Force Units from Corps to Battalion.

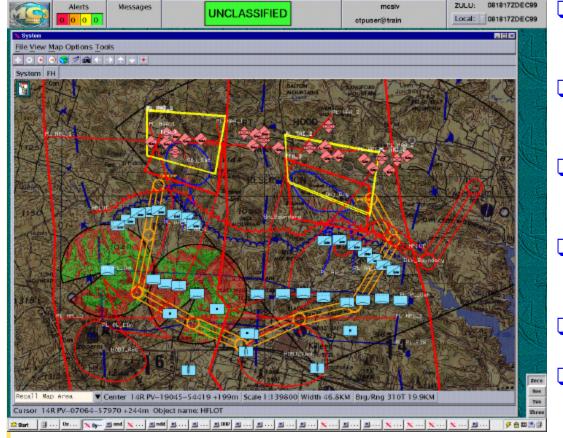


	PER CORPS	PER DIVISION	PER BDE	PER BN
SERVERS	184	86	13	3
LAPTOPS	95	103	12	2



Common Tactical Picture (CTP)





- Centerpiece of ABCS Common Look and Feel
- Near-Real-Time Situational Awareness
- Reflective of Joint Architecture
- Common, Interactive Database
- Implemented by all BFACs
- Allows for an Unparalleled User-Tailored View of the Battlefield



Mr. Randall Matura Chief, Business Management Division PM Ground Combat Command and Control

(732) 427-3303

Randall.Matura@c3smail.monmouth.army.mil



Common Hardware Systems Mission

- Manage the acquisition process for Common Hardware and Commercial Off the Shelf (COTS) Software.
- Ensure that all delivered hardware and software meet the requirements of the contract, statement of work, and product specifications
- Manage the processing of all CHS engineering change proposals, orders, and task orders to ensure delivery of products on schedule and within cost.
- Ensure incorporation of Technology Insertion into the CHS product lines (hardware and software) IAW PEO C3T strategic plans and as required to support customer needs.



Purpose

Provide a standard suite of (commercial and rugged) computers, peripherals, software and programming support environment components that will operate and survive in the battlefield. CHS-3 is targeted for the Army's command and control systems, and is also available for all DoD and Federal Agencies.





Common Hardware Software - 3 **Strategy**

Competitive procurement of COTS and enhanced non-developmental hardware and software.

- Best Value Award
- Indefinite Quantity Indefinite Delivery (IDIQ)
- 10 Year Contract; with 5 Years of Warranty (minimum) from date of delivery
- 3 Versions of products:
 - V1 Commercial/Commercial with minor modifications
 - V2 Ruggedized for survivability in tactical environment
 - V3 Near Mil-Spec
- **Technology Insertion**
- Technical Assistance and Support Services (TASS)





Generic Examples of V1/V1+, V2, & V3





.

PC

Rack-mounted server

V1+, Commercial Rugged



Rugged Laptop

V2 Fully Rugged



Tactical Lightweight
Computer



Tactical Comms
Device



Tactical Rackmounted Server

V3 Near MIL-SPEC Rugged



Tactical Portable Computer



Common Hardware Software - 3 Hardware

- Computers: Servers, workstations, handheld computers, notebook computers, PDA's
- Displays: Flat panels, medium and large screen displays, multi-tiled displays, projectors
- Storage: Mass storage devices, RAID systems, removable hard disk drives
- Power Supplies: Uninterruptible power supplies (UPS), power converters, power conditioners
- Peripherals: Printers, scanners, Fax machines, special purpose boards
- Network devices: Routers, Switches
- Tactical communications modem devices
- Cables, mounting kits, transit cases
- Programming Support Environment (PSE) Hardware



Common Hardware Software - 3 <u>COTS Software</u>

- UNIX and Windows Operating Systems
- Graphical User Interface
- Data Communications Software
- Word Processing
- Relational Database Management System
- Spreadsheet
- Business Graphics and Presentation Package
- Malicious S/W Detection and Prevention
- Programming Support Environment (PSE) Software





Technical Assistance and Support Services

Ten Year Time And Material Portion Of Effort

- Includes, But Not Limited To:
 - Out of Warranty Repair
 - Support for BFACS Materiel Fielding
 - Analysis of CHS-3 Hardware and Software Requirements
 - Integration of HW/SW Into New or Existing Systems.
 - Training Packages
- Tasks Are Defined By And Funded By Customers



Common Hardware Software - 3

Challenges

- 10 years of pricing
- Dealing with obsolescence
- Incorporating new technologies

Common Hardware Software - 3

Contract Information

- Objective: Purchase a family of (commercial and rugged) common hardware, peripherals, common software and programming support environment to satisfy user requirements for the input, processing, storage, retrieval, reproduction, presentation and transmission of data that will operate and survive in the battlefield.
- Contract Type: IDIQ with Firm Fixed Price and Time & Materials features
- Estimated Value: \$2B ceiling over 10 years
- Key Milestones:
 - Draft RFP released to Industry 7/02
 - RFP Release 10/02
 - Award 5/03
- Technical Contact: George Chan, 732-427-0507
- Acquisition Contact: Ms. Mona Thomas, 732-427-1540
- Solicitation #: DAABO7-02-R-E002





PEO Charter





PROGRAM EXECUTIVE OFFICER



IN ACCORDANCE WITH DEPARTMENT of DEFENSE DIRECTIVE 5000.1

and

MY APPOINTMENT, BY ORDER OF THE SECRETARY OF THE ARMY,

ARMY ACQUISITION EXECUTIVE

I hereby designate

BG Michael R. Mazzucchi

as the Program Executive Officer for

Command, Control and Communications Systems

As Program Executive Officer, you will utilize the Family of Systems concept to ensure integration and interoperability are achieved between Army programs to support a full spectrum force.

You will, as the responsible management official, provide overall direction and guidance for the development, acquisition, testing, product improvement, and fielding while ensuring total ownership cost reduction. You will establish processes that facilitate communication, cooperation, information exchange, and collective decision-making between and among organizations.

You will maintain the Army perspective in managing your programs and will report directly to me. You will keep the leadership fully informed of program status and report any matters that could affect the Army's ultimate commitment to the program. Your responsibilities include planning and executing the transition of programs and systems when appropriate.

You will place primary management emphasis and oversight on balancing cost, schedule, performance and supportability while capitalizing on acquisition reform initiatives. You will also ensure compliance with applicable national policies to include environmental protection and socio-economic programs.

You will lead and directly control assigned program managers. You will ensure that acquisition workforce career development and competency standards are actively pursued. You will also serve as an advocate to ensure the necessary force structure is in place to support acquisition career development programs.

You are hereby delegated full line authority as the Program Executive Officer for the management of assigned programs. Unless rescinded, this designation will remain in effect until your reassignment.

Acting Army Acquisition Executive

...development, acquisition, testing, systems integration, product improvement and fielding of assigned programs.





Headquarters Department of the Army



Secretary of the Army/Army CofS G2 G6/CIO **G1** G3 G4 G8 **Administrative Assistant** Chairman **Assistant Assistant Assistant Assistant** Secretary Secretary Secretary Secretary **Army Reserve Forces Policy** Civil Works Manpower & **Financial** Installation Committee Management & **Reserve Affairs Logistics &** Comptroller Environment Inspector General **Auditor** Chief Chief Director **Assistant** General Counsel General **Public** Legislative Small & Secretary **Affairs** Liaison Disadvantaged Acquisition Business Logistics & Utilization Technology PEO C3T



PEO C3T



XXI

As of 1 Apr 02

Fax Numbers

EXECUTIVE OFFICE: 732-427-4030 - DSN 987 HRO/RFO:

(732) 389-0042 (Commercial Only)

(732) 542-1364 (Commercial Only) OPS/PSBM FAX:

(732) 532-0146 - DSN 992

PE₀

BG Michael Mazzucchi

Deborah Clevenger -- Secretary (732) 427-4937 -- DSN 987 SFAE-C3T

Technical Advisor

Mr. Steve Kirin (MITRE) (732) 427-4077

Ι.

Deputy PEOs Mr. Robert Lehnes

Leona Atkinson -- Secretary (732) 427-4148 -- DSN 987 SFAE-C3T

Mr. John Perrapato

Carol Lepre -- Secretary (732) 427-2055 -- DSN 987 SFAE-C3T

Pentagon LNO

Ms. Mary Quiroz (703) 695-8444 -- DSN 225 Ms. Kathy Collier (703) 695-8447 -- DSN 225 MAJ Ken Rodgers (703) 614-8406 -- DSN 224

Human Resources

Mrs. Marie Frost (Acting) (732) 532 - 0143 DSN 992 SFAE-C3T-HRO

Prog Spt Bus Mgt

XO

MAJ Jonas Vogelhut

(732) 532-3938 -- DSN 992

SFAE-C3T-XO

CTSF (Ft Hood)

COL Stephen Bahr

(254) 288 - 4035 -- DSN 738

SFAF-C3T-CTS

Mr. Robert Bernstein (732) 532 - 0140 DSN 992 SFAE-C3T-PMO

Chief Information Office

Mr. Emerson Keslar (732) 532-0254 DSN 992 SFAE-C3T-CIO

Operations

Dr. Debbie Frank (732) 532-0082 DSN 992 SFAE-C3T-OPS

Force XXI Integration

Mr. Chuck Pizzutelli (732) 427 - 4797 DSN 987 SFAE-C3T-FIO

Horizontal Tech Integration

Mr. Joe Johnson (732) 532 - 0180 DSN 992 SFAE-C3T-HTI

Readiness Engineering

Mr. Richard Koval (732) 427 - 2677 DSN 987 SFAE-C3T-REO

PM GC-C2

COL Stephen Horner (732) 532 - 4041 --DSN 992 SFAE-C3T-AT

PM Intel & Effects

COL Charles F. McMaster (703) 704 - 0310 --DSN 654 SFAE-C3T-INT

PM TOCs/AMDCCS

COL Gary Jerauld (256) 774 - 6706 --DSN 266 SFAE-C3T-AD

PM WIN-T

COL Thomas Cole (732) 532 - 4740 --DSN 992 SFAE-C3T-WIN

PM FBCB2

COL Nickolas Justice (732) 427 - 3237 --DSN 987 SFAE-C3T-AP

PM TRCS

COL John Grobmeier (732) 427 - 3063 --DSN 987 SFAE-C3T-TRC

APBI 5/01/02 466_c3t 6

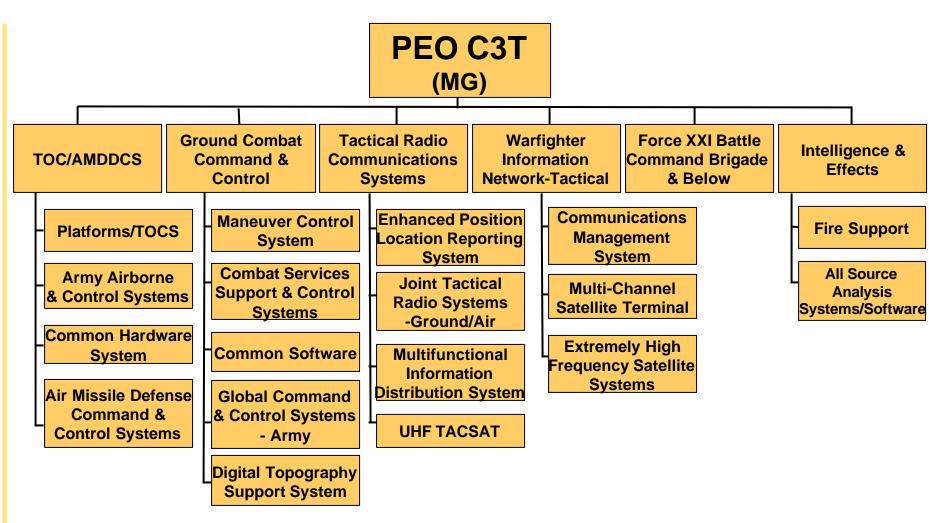


PEO C3T



XXI

Command, Control & Communications Tactical





PEO C3T Acquisition Programs

	X	()	(D
8	-	•		

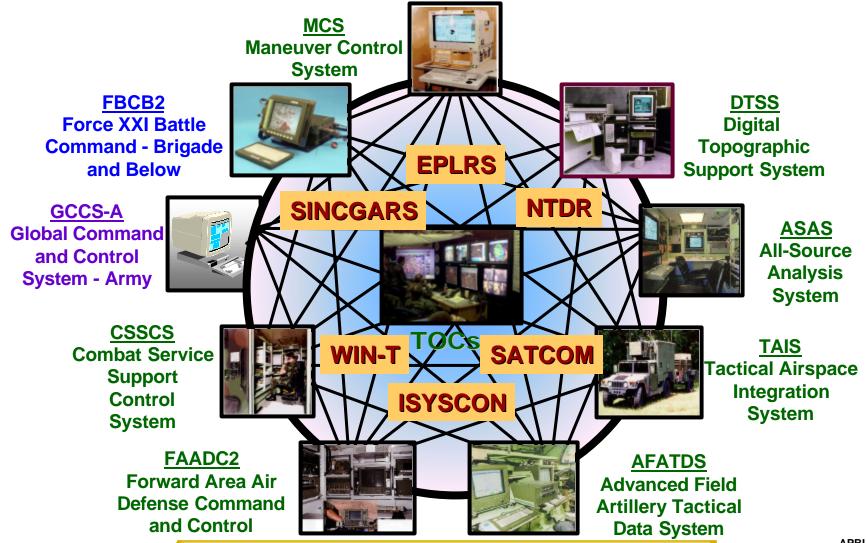
System	ACAT	Phase	System	ACAT	Phase	
FBCB2			TOCs/AMDCCS			
FBCB2	ID	EMD/LRIP	A2C2S	TBD	EMD	
GCC2			AMDPCS	III	Production/PFDOS	
CSP	Pre-MDAP	TBD	CHS	11	EMD	
csscs	II	Production/Deployment	FAADC2	II	PFDOS	
DTSS	III	Production/Deployment	SICPS	III	PFDOS	
GCCS-A	IAC	Production/Deployment	TOCs	III	PFDOS	
MCS	ID	EMD/PFDOS	<u>WIN-T</u>			
Intelligence &			ACUS MOD	Post-MDAP	Production/Deployment	
<u>Effects</u>			AKMS	III	EMD/Production*	
AFATDS	II	EMD/Production/PFDOS	GBS	III*	SDD	
ASAS	II	Production/Deployment	ISYSCON	III	PFDOS	
IFSAS	III	PFDOS	JNMS	III	Production/Deployment	
IMETS	III	PFDOS	SCAMP BLK II	III	Production/Deployment	
LFED	III	PFDOS	SECOMP	III	Production	
LWTFDS	III	Production	SMART-T	IC	Production	
<u>TRCS</u>			STAR-T	III	Production/Deployment	
CSEL	*	EMD	WIN-T	Pre-MDAP	TBD	
EPLRS (ADDS)	II	Production/Deployment				
FHMUX	III	Production	36 Programs			
JTIDS/MIDS	III	PFDOS <				
JTRS (G/A)	ID	EMD/LRIP 7 ACAT II Programs •Multi-service program				
NTDRS (ADDS)	III	PFDOS \angle	•Multi-service program - USAF lead			
Spitfire	III	Production/Deployment	EMD - Engineering & Manufacturing Development			
SINCGARS	II	Production/Deployment	SDD – System Development & Demo PFDOS-Production/Fielding Deployment/Op Spt			



The Army Battle Command System (Army Tactical Command and Control System,

XXI

(Army Tactical Command and Control System, FBCB2, and Network Communications)

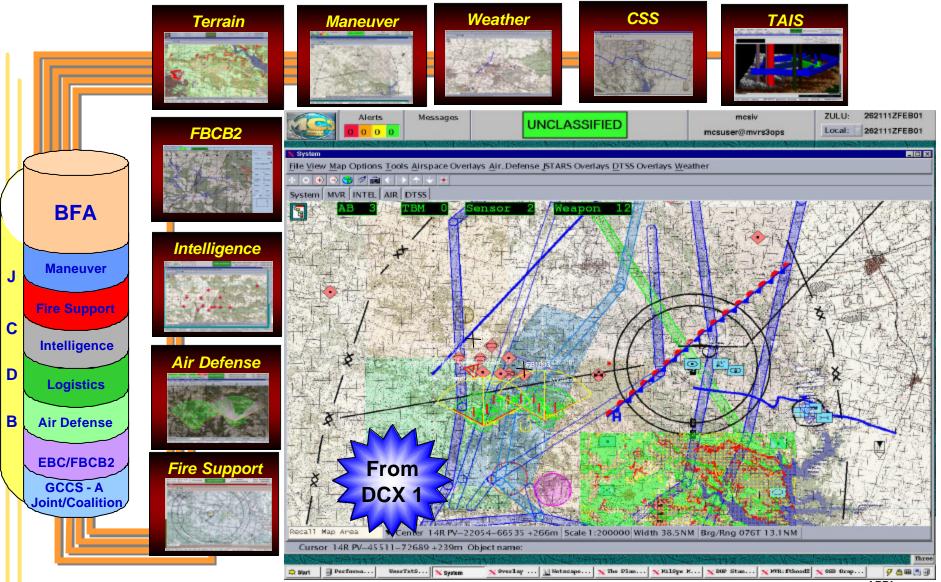


APBI 5/01/02 466 c3t 9



Creating Common Tactical Picture ABCS 6.2







PEO-C3T's

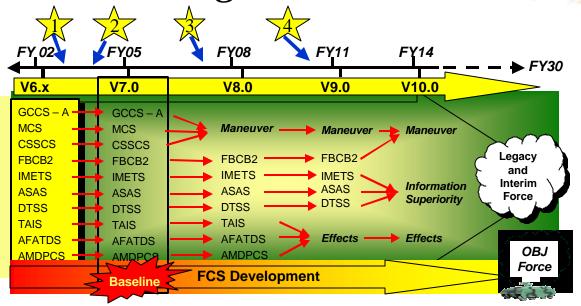
Army Transformation

Tactical and Strategic Focus

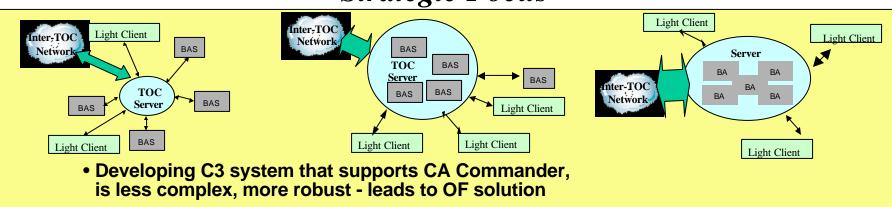
Tactical Focus

Crossing the LD with 6.3

- Strict entrance criteria
- Evaluation guidelines
- Stabilized participants
- Aggressive schedule
- Support concept



Strategic Focus



- Developing support concept to enable worldwide release of ABCS
- Answering growing demand for digitization throughout the Army





PEO C3T Contract Opportunities

Ground Combat Command and Control Migration Common Hardware Systems – 3

Mr. Randy Matura
Chief Business Management Division
Project Manager, Ground Combat Command and Control



ENTERPRISE SYSTEMS ENGINEERING



MR. EDWARD C. THOMAS

DIRECTOR, CECOM SOFTWARE ENGINEERING CENTER

(732) 532-8207

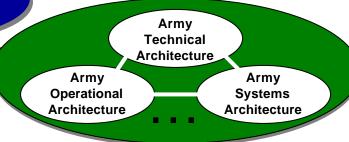
edward.thomas@mail1.monmouth.army.mil



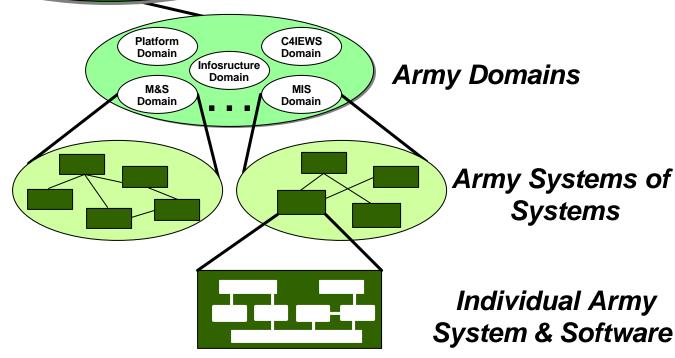
ARMY ENTERPRISE CONTEXT



Joint/DoD Architectures



Army Enterprise





TODAY



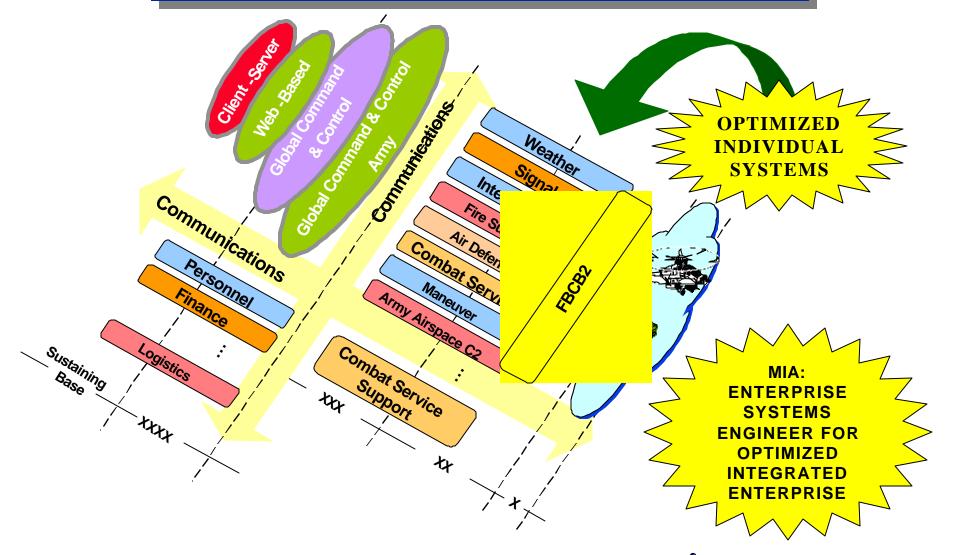
CHALLENGES:

- □ INTEGRATING PLAN (for migration & convergence)
- ☐ UP-FRONT ENGINEERING (for enterprise integration)
- MIGRATION/TRANSITION OF TECHNOLOGY (optimally)
- **□** UNIFIED REQUIREMENT
- ☐ FUNDING FOR HORIZONTAL INTEGRATION
- **□** SYNCHRONIZATION
- □ COMPLIANCE (with standards)



ARMY ENTERPRISE SYSTEMS ENGINEERING Ensures Integrated Enterprise

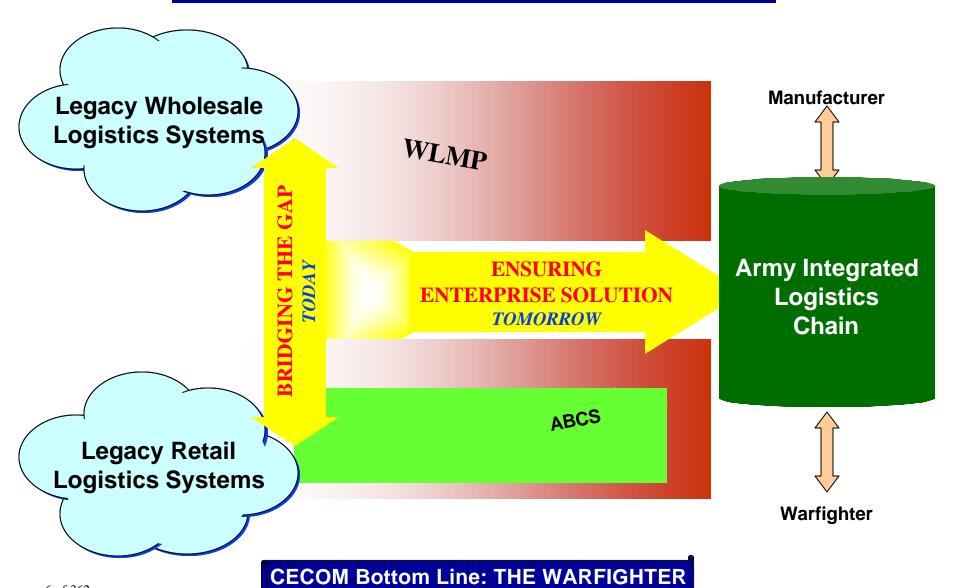






EXAMPLE - LOGISTICS CHALLENGE

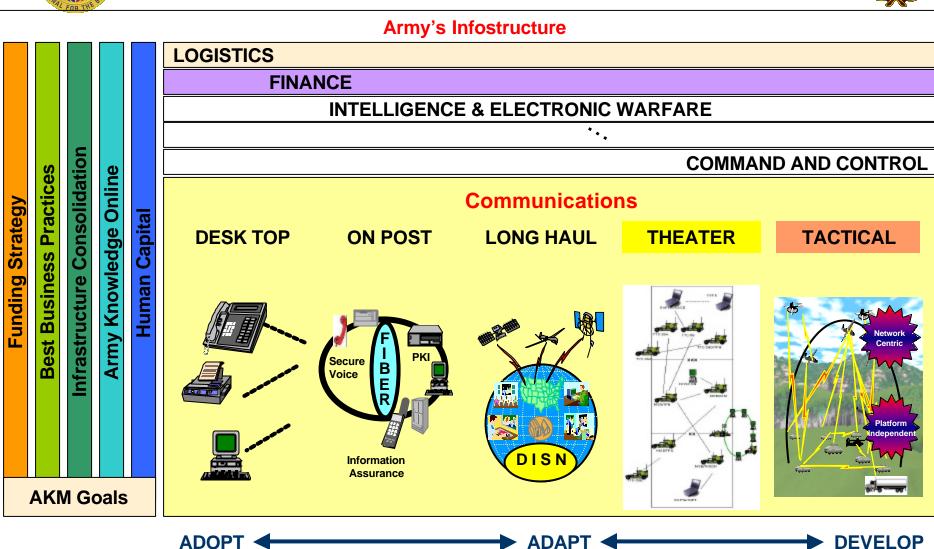






EXAMPLE - AKM CHALLENGE







FUTURE DESIRED STATE



- SEAMLESS VERTICAL & HORIZONTAL C4ISR SYSTEMS INTEGRATION ACROSS THE SPECTRUM OF OPERATIONS TO MEET THE NEEDS OF THE OBJECTIVE FORCE
 - ☐ FROM THE BATTLESPACE TO THE SUSTAINING BASE (Tactical, Strategic, Installation)
 - ☐ TODAY AND INTO THE FUTURE (Legacy, Interim, Objective)
 - ☐ SPANNING FUNCTIONAL DOMAINS
 (Fire Support, Intel, Combat Service Support,)



FUTURE DESIRED STATE







WHERE WE ARE HEADED



- EXPAND ON-GOING ARMY ENTERPRISE SYSTEM ENGINEERING ACTIVITIES
 - □ DEVELOP & OVERSEE OVERARCHING ARMY ENTERPRISE SYSTEM ENGINEERING MASTER PLAN
 - ARMY-WIDE ENTERPRISE ARCHITECTURE SUPPORT
 - RISK MITIGATION THROUGH ARMY-WIDE ENTERPRISE PILOTS
 - TECHNOLOGY INSERTION FACILITATION
 - ☐ RESOLVE CROSS-CUTTING TECHNICAL ISSUES, IDENTIFY OPPORTUNITIES,
 MAKE RECOMMENDATIONS
 - □ PROVIDE TECHNICAL CONSULT/EXPERTISE
 - ☐ ASSIST & VALIDATE COMPLIANCE WITH ENTERPRISE SYSTEM ENGINEERING
 MASTER PLAN



FULLY ENGAGED ACROSS SPECTRA OF ACTIVITIES

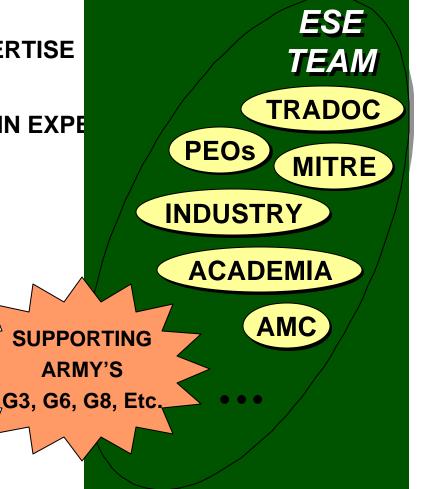


" SYSTEMS ENGINEERING EXPERTISE (ASEO, JTA, Tools, ...)

BROAD RANGE OF C4ISR DOMAIN EXPE (C2, Comm, IEW, FS, AV, MIS, ...)

" TECHNOLOGY EXPERTISE

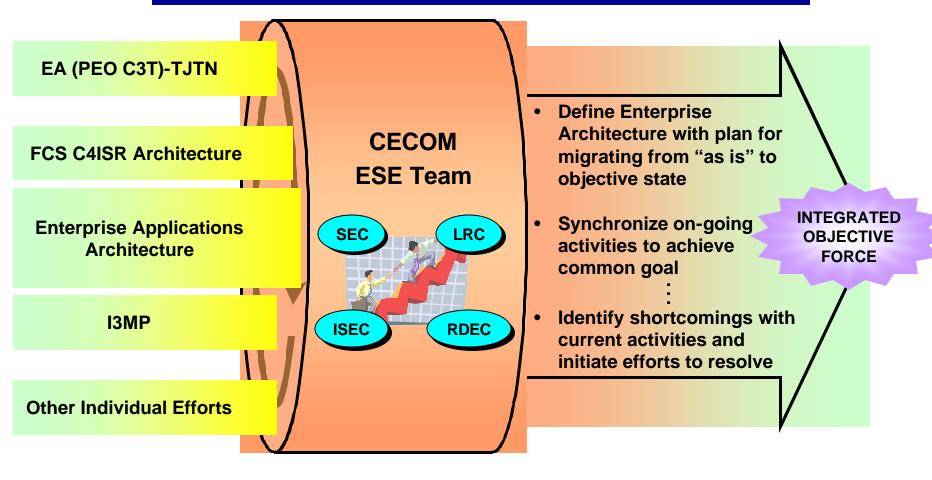
FULL LIFE-CYCLE INVOLVEMENT (R&D, Post Development/Deployment)





WHAT WE ARE DOING







WHAT ARE WE DOING



- Executive Agent (PEO C3T) Theater Joint Tactical Network
 - ☐ Ensure Interoperability and synchronization among Service and Agency programs acquiring network components
- FCS C4ISR Architecture
 - ☐ Developed architectural tenets to support Network Centric Warfare
- ENTERPRISE APPLICATIONS ARCHITECTURE
 - ☐ Define framework for developing applications compliant with Enterprise Architecture
- Installation Information Infrastructure Modernization Program (I3MP)
 - ☐ Upgrade the information infrastructure to provide digital connectivity across installations, active support activities and deployed Forces.



HOW INDUSTRY CAN HELP



THINK ENTERPRISE SOLUTIONS

PROVIDE FEEDBACK. IT IS CRITICAL.

MORE TO COME











